

The Cattleman

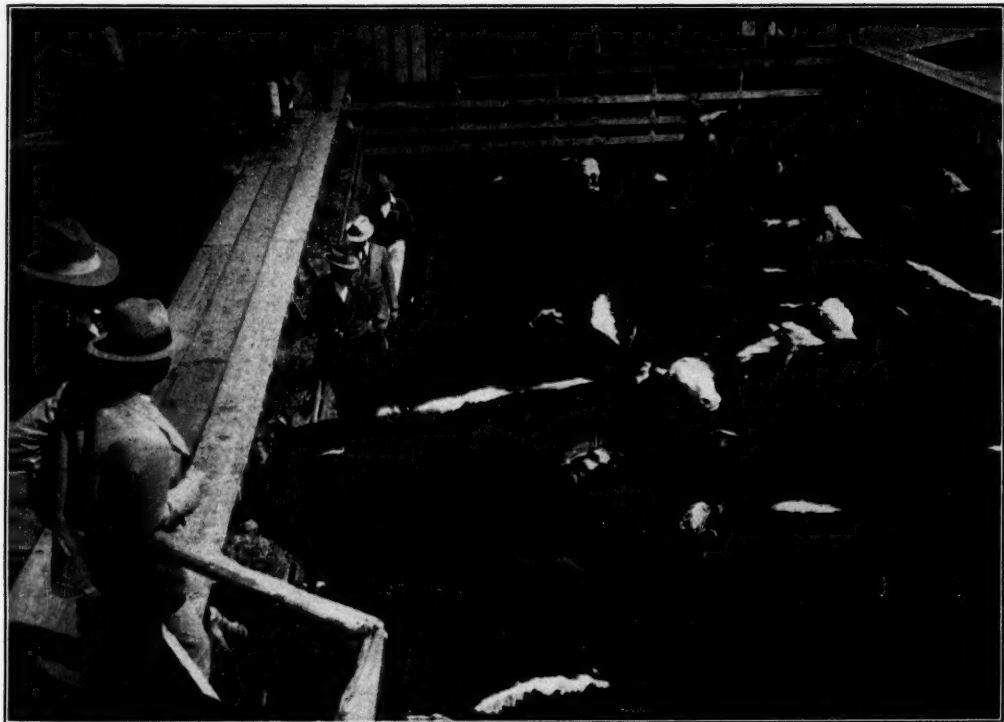
Fort Worth, Texas, May, 1952

VOLUME XXXVIII - - No. 12



AERIAL VIEW - TEXAS AGRICULTURAL AND MECHANICAL COLLEGE

Photo by Howard Berry - Kodak Flexichrome Process by Elma Wilkinson



What Will Your Cattle Bring?

Competition, inspired by supply and demand, determines the true value of livestock, and only on a central market, such as Fort Worth, can shippers be assured of receiving the best prices for their livestock.

Commission companies operating on the Fort Worth market have especially trained personnel, who, through years of experience, know how to do a good selling job. For only a small cost per head shippers can be assured that their livestock will be sold to the best advantage of the producer and it is not even necessary that he be present in the transaction. His marketing agency, which is bonded for his protection, will feed, water, bed, and sort, if necessary, so that when a sale is made it will be at the best price possible to obtain.

KEEP POSTED *Tune in for daily broadcasts: Special Market News and Information, WBAP "570" 7:30 a. m. - 12:15 p. m. WBAP "820" 6:15 a. m., 9:35 a. m. and 2:06 p. m. (No broadcasts Saturday afternoon and Sunday.)*

Fort Worth Stockyards

A division of United Stockyards Corporation

FORT WORTH, TEXAS



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THE first product to confer dependable immunity against Blackleg was developed by Dr. O. M. Franklin. (Blackleg Aggression—1916).

Continued research by Dr. Franklin resulted in the invention of an improved product at lower cost. (Blackleg Bacterin—1923).

Among the first to recognize the need, Dr. Franklin next combined with his Blackleg Bacterin an immunizing dose against Malignant Edema (Clostridium-Chauvei-Septicus Bacterin—1941).

As was true of both earlier products, the demand for the Franklin brand of this newer

Complete Blackleg Protection

FAR EXCEEDS THAT OF ANY OTHER MAKE

Stockmen do not like to take chances with deadly diseases. In each bottle bearing the famous Franklin star-signature trade mark is sealed more than 30 years of specialized scientific "Know how".

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**Pink Eye Time
Will Soon Be Here!**

Get quick and safe results this year by blowing Franklin Pink Eye Powder into the eyes. Fluids in the eye are just right to turn the powder into a solution that stays put. 100% active ingredients.
Puffer tube \$1.00



**The Easy Way to Buy
Livestock Vaccines and Supplies**

Shipping Fever

Best protection is a Spring
dose of



FRANKLIN

**CORYNEBACTERIUM-
PASTEURELLA
BACTERIN**

followed in the Fall with a
booster dose before weaning
or shipping.

Control Worm Infestation

Promptly apply either of
the new

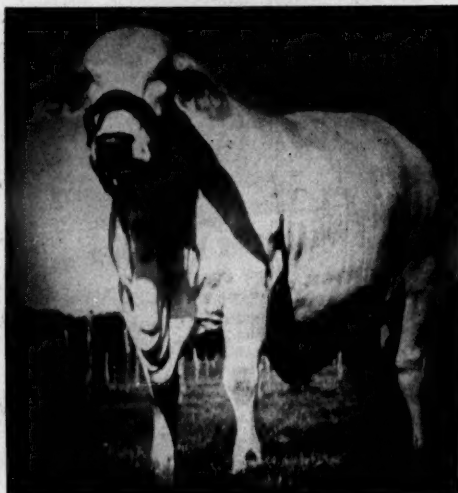


FRANKLIN

**LINDANE
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KILLERS**

**1038-LIQUID
or
EQ-335-SMEAR**

STILL SHOWING STRONG



IN 1952 AT
FORT WORTH ... HOUSTON ... SAN
ANTONIO ... BATON ROUGE
BARTOW, FLORIDA

(National Brahman Show)

OUR MANSO-BRED BRAHMAN'S ENTERED

89 CLASSES
RESULTS:

53 Firsts
23 Seconds
7 Thirds
2 Fourths
3 Fifths
1 Tenth

PLUS 13 CHAMPIONSHIPS

J. D. HUDGINS
"Beef-Type Brahman's"

Hungerford
Texas

Welch
Oklahoma

The Cattleman

Vol. XXXVIII

MAY, 1952

No. 12

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First Time in 18 years!

The second step in *Mill Iron's*
BREEDING PROGRAM
will start this coming **May-**

The classification and grouping
of the entire breeding herd by
Mr. John C. Burns



The third step in 1953

The culling and grouping
of the breeding herd groups.

These two steps will make a startling

advancement

in the Mill Iron herd



ELMER R. MONSON
Assistant Ranch Manager
In Charge of Grass and Pasture
Development

*In the past 18 years no
Registered Heifers have been
sold from our breeding herd*

except those that have gone to the
slaughterhouse, because of defects,
and five registered heifers as follows:

- 12/7 '43 MISS MILL IRON 6th—Colvert Hereford Ranch
- 12/17 '43 MILL IRON QUEEN 249—Banning Lewis Ranches
- 11/1 '45 MISS MILL IRON 519th—Earl Burch
- 9/30 '46 MISS MILL IRON A76—Banning Lewis Ranches
- 5/3 '51 MISS MILL IRON E761—Marion V. Vallee

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Denver, Colorado

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Consultant

ALVIN KEZER
Consultant

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Director of Ranch Operations
Office: Wellington, Texas
Charles J. Hughes
Comptroller
Lafayette M. Hughes Jr.

AUSTIN ("POLLY") O'NEIL
Manager, Mill Iron Ranches
Wellington, Texas

For information on the
Mill Iron Annual
BULL CALF SALE



IRVIN L. SEALANDER
Assistant to the Trustee and to
the Director of Ranch Operations
In Charge of Soil Conservation

White



Pictured is a registered Brangus cow and her registered Brangus calf which was sired by a registered Brangus bull. Weights: the cow, 1865 lbs.; the calf, 700 lbs. at 7 months of age.

FOR SALE:

We are now offering for immediate delivery big, rugged bulls, ready for service. This offering includes quarter bloods, half bloods and registered Brangus of the breeding that has won top recognition from commercial

cattlemen, show ring judges and breeders. Orders for these bulls will be filled in order in which we receive them. One head or a carload. These bulls available at both Grenada, Miss., and Welch, Okla. Direct all communications to Welch.

SORRY, NO FEMALES OFFERED AT THIS TIME

*If you raise beef . . . it will pay you to
buy Brangus . . . the Clear Creek kind!*

Ranches at Grenada, Miss., and Welch, Okla. Please direct all communications to Welch.



Frank Baitham

WELCH, OKLAHOMA

Raymond Pope

Telephone Welch-8227 or Vinita 1200

Member American Brangus Breeders Association



Of things that concern cattle raisers

The Cattleman Cover

AERIAL VIEW OF TEXAS AGRICULTURAL AND MECHANICAL COLLEGE.—Photo by Howard Berry.
Kodak Flexichrome by Elna Wilkinson.

THIS issue of The Cattleman is dedicated to the Texas Agricultural and Mechanical College System, which consists of the Agricultural and Mechanical College at College Station, Arlington State College at Arlington, Prairie View Agricultural and Mechanical College at Prairie View, Tarleton State College at Stephenville and the five state-wide services—the Agricultural Experiment Station, the Agricultural Extension Service, the Engineering Experiment Station, the Engineering Extension Service and the Texas Forest Service.

Texas A. & M. is now in its seventy-fifth school year, having celebrated its seventy-fifth anniversary in 1951. It so happens that the Texas and Southwestern Cattle Raisers Association, of which this publication is the official organ, also celebrates its seventy-fifth anniversary this year; and that organization, together with The Cattleman, takes this opportunity of paying tribute to the great Texas A. & M. College System and all of its activities, to its officers and faculty, to its many graduates who have distinguished themselves in far-flung fields and to its present student body.

We hope that the material contained in this issue will serve to acquaint the people of Texas, and others interested in the education of our youth, with the various activities of the many parts of the Texas A. & M. System. That is really our purpose.

We wish to express our appreciation to R. Henderson Shuffler, Director of Information and Publications of the Texas A. & M. System, for preparing the material and pictures. We think he did a magnificent job.

Appreciation also is expressed to Howard Berry for the aerial view and to Elna Wilkinson for the Kodak Flexichrome from which the plates for the cover were made.

An Index for The Cattleman

IN THE back of this issue you will find a complete index of The Cattleman, Volume XXXVIII, June, 1951-May, 1952. This is the first time that The Cattleman has ever published a complete index of any of its volumes. We decided to do this because of the demand from many sources for an index. We hope that this will be of help to our many readers who desire to check back on material published in The Cattleman during the past year. It has taken considerable work to compile this index, but we believe that it is worthwhile and hope to continue it in subsequent volumes. Additional copies of the index for Volume XXXVIII may be secured for twenty-five cents by addressing The Cattleman, 410 East Weatherford Street, Fort Worth 2, Texas.

Cattle Theft Prosecutions

Geraldine Poorboy and "Blackie" Perdue pleaded guilty on April 10, 1952, to cattle theft in the District Court at Liberty, Texas. They admitted having stolen cattle from D. C. Die of Romayor, a member of the Texas and Southwestern Cattle Raisers Association. They were given a two-year probationary sentence by District Judge P. C. Matthews and were required to pay for the calf they had stolen. C. B. Cain, district attorney at Liberty, prosecuted the defendants. Buck Echols, inspector for the Texas and Southwestern Cattle Raisers Association, was instrumental in gathering the information leading up to their arrest and conviction.

A. Garza Martinez of Encinal, Texas, was given a five-year probationary sentence by Judge Sam Reams, judge of the 79th District Court of Falfurrias, Texas, March 31, 1952. Martinez was charged, along with Raymond Saenz and Julian Hernandez, with cattle theft from Canales and Hornsby of Premont, Texas. Martinez pleaded guilty and waived jury trial and accepted the sentence. Ranger Joe Bridge secured the information relative to the theft. He was assisted by Deputy Sheriff Henry Timmerman of Brooks County and Jack Mims, inspector for the Texas and Southwestern Cattle Raisers Association, located at Hebbronville.

Saenz, Hernandez and Garcia are to stand trial on the same charges on May 5 and 26 in the District Court at Alice and Falfurrias, over which Judge Reams presides.

Homer Dean, district attorney, handled the prosecution, assisted by Judge S. L. Gill of Raymondville, who was employed by the Texas and Southwestern Cattle Raisers Association.

On December 10, 1951, Edward Schaefer of Uvalde, Texas, was tried in the 38th District Court at Crystal City for theft of two cattle from Joe Finley, Encinal, Texas, a member of the Texas and Southwestern Cattle Raisers Association. The case was handled by Jim Weatherby, district attorney in the 38th Judicial District. Schaefer pleaded guilty and was sentenced to five years in the penitentiary. An accomplice of Schaefer, Lennis Luxton, also of Uvalde, was tried in the same court on March 10, 1952. He also pleaded guilty and was sentenced to five years. T. L. Luker, Texas and Southwestern Cattle Raisers Association inspector in San Antonio Stock Yards, is credited with having caught the stolen cattle when they were sold at the San Antonio Cattle Company and Gurinsky Sale Barns. Sheriff Jesse Jones of Crystal City and Sheriff Fred Yearly of Uvalde, Texas, were very active in bringing these cattle thieves to justice. They were assisted by Texas and Southwestern Cattle Raisers Association Inspectors Warren Allee of Carrizo Springs and J. E. Hodges of San Antonio.

Directors Meeting June 21

THE first quarterly meeting of the Board of Directors of the Texas and Southwestern Cattle Raisers Association will be held at the Texas Hotel in Fort Worth at 9:00 A. M. Saturday, June 21, 1952.

T. L. (Jack) Roach, President of the Association, urges all directors to be present and extends a cordial invitation to members and others interested in the livestock industry to attend.

Secretary of Agriculture Charles F. Brannan Writes to Commentator Robert Montgomery About Mexican Foot-and-Mouth Disease

UNITED STATES DEPARTMENT OF AGRICULTURE
Office of the Secretary
Washington

March 31, 1952

Mr. Robert Montgomery
National Broadcasting Company
30 Rockefeller Plaza
New York 20, New York
Dear Mr. Montgomery:

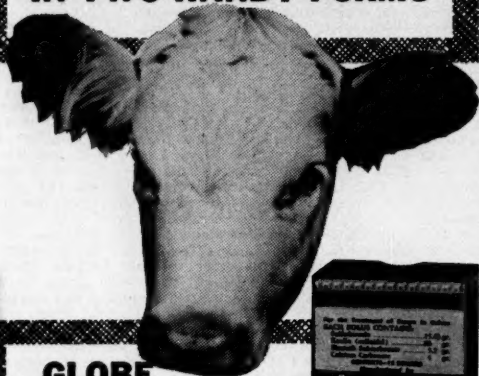
Your broadcasts of March 12, 13, and 14 about the campaign to eradicate foot-and-mouth disease in Mexico were complete distortions of many facts which are easily available and were an enormous disservice to both farmers and consumers of this country. Coming as it does, when the disease threatens our border to the north, such insidious misinformation could seriously jeopardize one of our most important production efforts.

If you had looked at the facts, you would have found that eminent livestock disease specialists from all parts of the world inspected and paid tribute to the methods used in the campaign. You would have found that the livestock industry was represented by a special committee that sat in judgment on the program from the beginning. You would have found also that probably no other program has been subjected to such critical and continuous review by by-partisan groups in Congress.

Here are facts you could have found out:

Foot-and-mouth disease struck the livestock industry of Mexico late in 1946. Just when the first cases of the disease broke out is not known, but later investigations showed that it had become established in herds near the port city of Vera Cruz several weeks before it was finally diagnosed on Decem-

TAKE YOUR PICK! Globe Offers CALF SCOUR RELIEF IN TWO HANDY FORMS



GLOBE CALF SCOUR BOLUSES

provide calf scour protection in handy bolus form. Each bolus contains Sulfathiazole, Kaolin (colloidal), Bismuth Subcarbonate and Calcium Carbonate.



GLOBE CALF SCOUR REMEDY

gives reliable results in the treatment of Scours in calves, provided treatment is started early. In liquid form, to be administered with dose syringe or drench bottle. Active ingredients: Sulfathiazole, Kaolin (colloidal), Bismuth Subcarbonate, Pectin.

Be prepared now for quick action against Calf Scours. See your Globe dealer for Globe Calf Scour Remedy or Globe Calf Scour Boluses.



THE COMPLETE VETERINARY LINE!

ber 26, 1946. At first the disease was thought to be *mal de yerba*, or vesicular stomatitis.

Two U. S. Department of Agriculture veterinarians, Drs. M. S. Shahan and A. E. Wardlow, had arrived in Mexico four days earlier at the request of the Mexican Minister of Agriculture, Nazario S. Ortiz Garza. They assisted in confirming the diagnosis. Later, samples of the virus were sent to the world-renowned foot-and-mouth disease laboratory at Pirbright, England. There, both laboratory and biologic tests further confirmed the diagnosis and showed the virus to be type A foot-and-mouth disease.

Disease Spreads Rapidly

The disease spreads with great rapidity. It was evident that Mexico lacked the economic resources to carry out an adequate eradication program. Unless the spread of the disease was halted, it would soon reach the Mexican-United States border where it might easily spread into this country.

On January 8, 1947, again at the request of the Mexican officials, four U. S. veterinarians began a hurried survey of the situation. On January 16 they reported that the disease had already spread to eight states in central Mexico and into the Federal District. They found existing controls ineffective and efforts to stamp out the disease by slaughter falling short of the mark.

U. S. Joins Mexico in Campaign

Livestock and farm organizations in this country petitioned the Congress to give aid to Mexico in order to keep the disease away from the United States. On February 28, 1947, Public Law 8 of the 80th Congress was passed which empowered the Secretary of Agriculture to cooperate with Mexico in carrying out measures to "eradicate, suppress, or control, or to prevent or retard, foot-and-mouth disease in Mexico." One month later, on March 28, 1947, the Mexico-United States Commission for the Eradication of Foot-and-Mouth Disease in Mexico was organized. This joint commission (the membership has changed from time to time) has carried out the apparently successful campaign to stamp out the disease in Mexico.

Late in 1947 the disease had spread to 525 municipalities in 16 states and the Federal District. But tight quarantines outside the infected area were finally established late in 1947. The quarantine area was reduced slightly in 1948 and 1949. Once firmly anchored, the disease did not again get beyond this strictly guarded line.

From the beginning of the program the U. S. Department of Agriculture and Mexican officials sought advice and aid from varied groups in this country and abroad.

In May, 1947, an industry advisory committee composed of prominent stockmen was appointed to keep in close touch with developments in Mexico. Membership included Albert K. Mitchell, New Mexico, Chairman; J. Elmer Brock, Wyoming; Wayland Hopley, Iowa; C. E. Weymouth, Coke Stevenson, and Fred Earwood, all of Texas; Carlos Ronstadt and Ray Cowden, Arizona; Horace B. Henning, New Mexico; Dr. C. U. Duckworth and R. E. Boyle, California; and W. S. Moserip, Minnesota.

Advisory Groups Aid Program

A research committee composed of the country's leading animal disease authorities also was established. Its membership included Dr. R. A. Kelsner, Dean of the School of Veterinary Medicine, University of Pennsylvania; Dr. W. A. Hagan, Dean of the New York State Veterinary College, Cornell University; Dr. R. E. Shope, then with the Rockefeller Institute; and Dr. J. Traub, Professor of Veterinary Science, University of California.

Most of the members of these committees had the opportunity to visit Mexico and see the ravages of the disease first hand.

Many state livestock sanitary officials also visited Mexico, including Dr. R. L. West, Minnesota; Dr. J. V. Knapp, Florida; Dr. T. O. Brandenburg, North Dakota; Dr. William Moore and Kerr Scott, North Carolina; Dr. H. E. Wilkins, Montana; Dr. I. G. Howe, New York; and Dr. E. H. Willers, Hawaii.

Dr. I. A. Galloway, Director of the British Foot-and-Mouth Disease Laboratory, which repeatedly ran samples of the virus for the Joint Commission, was an early on-the-ground advisor. He was followed by Dr. H. S. Frenkel, Director of the Netherlands Foot-and-Mouth Disease Laboratory at Amsterdam; Dr. Eric Fogelby, Director of the Foot-and-Mouth Disease Laboratory at Lindholm, Denmark; and Dr. Georges A. Moosbrugger, Director of the Swiss Foot-and-Mouth Disease Laboratory at Basle, Switzerland.

In October, 1949, at the time of the only outbreak of "O" type foot-and-mouth disease, six prominent farm editors were in Mexico. This group included Henry Beiderman, The Cattleman; Paul Friggens, Farm Journal; Ralph Hansen, The Dakota Farmer; George Montgomery, Cappers Farmer; T. C. Richardson, The Farmer-Stockman; and J. S. Russell, Des Moines Register Tribune.



The yearling BEEFMASTER steers, above, photographed on the Russell Rickert Ranch, Simla, Colorado, more than doubled their weight in eleven months on the range. They gained 453 pounds and averaged 885 pounds when sold. Total supplement—90 pounds cake per head.

Now—a Beefmaster Plan for High School Students

Here's a new idea for high school students who want practical experience in feeding for the commercial market—a new Beefmaster Plan for young cattle raisers.

Next fall The Lasater Ranch will turn over a limited number of BEEFMASTER steer calves to high school students who outline a practical feeding program and show that they mean business. They may take delivery at either Falfurrias or Matheson, and they'll pay nothing at time of delivery.

Since this contract is designed to give practical experience in feeding as a business, their steers will not be shown. They will keep records and keep The Lasater Ranch posted on the progress of their steers.

It is the aim of The Lasater Ranch not only to give the student an opportunity to gain valuable experience in practical feeding for the commercial market, but also to enable the student to make his own contribution toward the achievement of the goal of the entire beef industry, which is to produce "more beef for less money". In other words, through improved efficiency of breeding and feeding to reduce materially the cost of producing beef.

All interested high school students are invited to write The Lasater Ranch, Box 545, Falfurrias, Texas, for application blank and contract.

**The Beefmaster
Plan --
More Beef
for Less Money**

Lasater

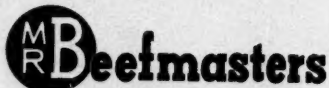
BEEFMASTERS

The American Breed

Efficient and Modern—The result of a continuous constructive breeding program since 1908.
RANCHES: Falfurrias, Texas; Matheson, Colorado
Trademark "LASATER BEEFMASTERS" registered U. S. Patent Office
International Registrations Pending

THE LASATER RANCH; BOX 545; FALFURRIAS, TEXAS

COW SALE . . .



Miller Ranch is now offering the following
M R BEEFMASTERS for immediate inspection
and sale:

Group 1

10 cows with 7 calves at side
Average age—4.1 years

\$450.00 ea.

Group 2

11 cows with 5 calves at side
Average age—4.4 years

\$400.00 ea.

Group 3

8 cows with 6 calves at side
Average age—3.1 years

\$300.00 ea.

Group 4

7 cows with 4 calves at side
Average age—4.8 years

\$250.00 ea.

Group 5

16 open cows
Average age—3.6 years

\$225-\$275.00 ea.

Group 6

25 yearling heifers

\$210-\$250.00 ea.

Group 7

24 bulls
1 to 5 years of age

\$400-\$550.00 ea.

All cows in groups 1, 2, 3, and 4 which do not have calves at side were certified to be pregnant on April 8th by a competent veterinarian and should calve in May and June.

"Put them on Pasture . . . They'll do the rest."

MILLER RANCH



HEREFORD - SHORTHORN - BRAHMA BLEND

FALFURRIAS, TEXAS

Our Beefmaster breeding was purchased from the original Lasater Beefmaster herds now located at Falfurrias, Texas, and Matheson, Colorado.

There can be no reasonable doubt that the Mexican program was the most widely observed campaign against animal disease by men from all parts of the world who are thoroughly familiar with livestock diseases. Not a single one ever questioned the authenticity of the program.

By late November, 1947, more than half a million cattle and almost as many swine, sheep, and goats had been slaughtered and buried. The disease had spread so fast and far before effective eradication measures were begun that the Joint Commission decided to ease the economic shock of so vast a slaughter operation by adding vaccination to the program. The new measure was an attempt to build up an immunity among healthy susceptible animals so that the virus could be starved out.

First vaccinations were begun in January, 1948, with vaccine shipped from Argentina and the Netherlands. In May of that year, vaccine production was begun by the Commission in Mexico. When the vaccination program was ended July 31, 1950, more than 60,000,000 vaccinations had been administered in four successive rounds throughout the quarantine zone.

Congressional Cooperation

Throughout these phases of the campaign, special bi-partisan subcommittees of the House and Senate took an active interest in the program. They received monthly reports, including complete information on expenditures, number and classification of personnel, and specific activities of the Commission. (These reports were started at the beginning of the campaign and are still continuing.)

The committees and other Congressional representatives visited Mexico from time to time in order to observe the administration of the campaign in more detail. In August, 1947, a seven-man delegation of the Congress made a three-day tour of the northern part of the affected area. Making the tour were Senator Edward J. Thye of Minnesota, and Congressmen George W. Gillie (a veterinarian), Ernest K. Bramblett of California; A. L. Miller of Nebraska, Eugene Worley of Texas, H. Carl Andersen of Minnesota, and A. M. Fernandez of New Mexico. They traveled over almost impassible roads, saw slaughter operations, payment of indemnities, and talked to members of field crews and Mexican farmers.

In November, 1948, a special subcommittee of the Senate Committee on Appropriations spent six days in Mexico. They visited officials of Mexico and the United States, observed operations of the campaign, and questioned scientists, administrators, and technical men connected with the program. Members of the subcommittee who made the trip were Senator Milton R. Young of North Dakota, Senator Richard B. Russell of Georgia, and Senator Theodore F. Green of Rhode Island.

In November, 1949, representatives of the Subcommittee on Agriculture, House Committee on Appropriations, under the chairmanship of Congressman Jamie L. Whitten of Mississippi, arrived in Mexico to inspect operations. In addition to Chairman Whitten, the group included Representative Walt Horan of Washington, Representative Thomas G. Abernethy of Mississippi from the House Committee on Agriculture, Representative Clair Engle of California, member of the House Committee on Public Lands, and Representative Joseph W. Martin of Massachusetts, Minority Floor Leader.

In February, 1950, a subcommittee of the Senate Committee on Agriculture and Forestry investigated problems of the campaign in Mexico. Senator Edward J. Thye of Minnesota (chairman), Senator Spessard L. Holland of Florida, and Senator Guy M. Gillette of Iowa from the subcommittee and Senator James P. Kem of Missouri and Senator Bourke B. Hickenlooper of Iowa from the full committee spent a week in Mexico.

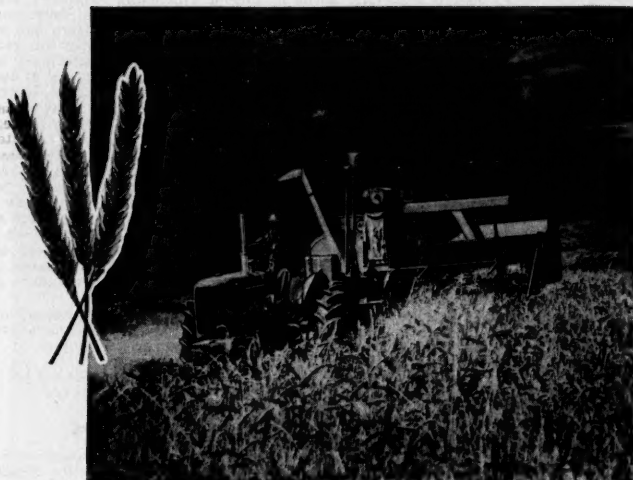
All groups of senators and congressmen filed reports commending the work of the eradication campaign and emphasized its importance in helping to hold in check a real danger to the livestock industry of the United States.

Final Phases of the Campaign

Since the middle of 1950, emphasis of the campaign has been placed on repeated inspections of susceptible animals so that moves could be made quickly against any spots of infection that might appear. The last three outbreaks occurred in December, 1949, December, 1950, and August, 1951. In each case the diagnosis was made after laboratory tests in Mexico, and was confirmed at the foot-and-mouth disease laboratory at Pirbright, England, by trained diagnosticians of the United States, Mexico, and England.

All three outbreaks were promptly eradicated behind strict quarantines. The previously infected premises have been thoroughly disinfected, tested, and are restocked with healthy animals. The governments of Mexico and the United States announced March 12, 1952, that if no additional outbreaks of foot-and-mouth disease occur in Mexico by September 1, the country will be declared free of the disease at that time. By then, the United States government will have spent a net of about \$123,000,000 on the program.

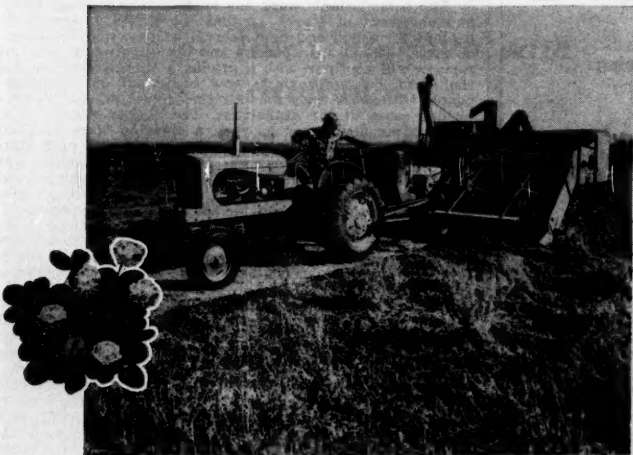
HEADS YOU WIN



**high
or
low!**

Wheat King Lars Peterson of Bitter Root Valley, Montana, picks a winner. Mr. Peterson, a ten-time International Grand Champion with his carefully bred wheat, oats, and barley, harvests his prize grain with his own ALL-CROP.

Charles B. Howard of Galt, California, practically "shaves" the field to harvest 250 pounds of Ladino clover seed per acre. Mr. Howard reports his ALL-CROP saves as much seed as other types of harvesters formerly used — and at a fraction of the cost!



ALL-CROP is an
Allis-Chalmers trademark.

Tall, heavy wheat or low, bunchy Ladino . . . the challenge is the same. How can you get every possible kernel at the lowest cost? And how can you make every pod of beans and peas shell out for you?

The full-width flow of your crop into the ALL-CROP Harvester is the answer. Across the sickle, up the draper, the crop goes spread out for easy, unrestricted threshing.

Every head is subjected to a gentle, but thorough, shelling action by the full width, rubber-faced, spiral-bar cylinder and rubber concaves.

You get extra grain, beans or seed with the long-arc, air-blast system of separation, too. And the oversize strawrack protects your final pay-off in the grain bin.

You're ahead all the way because of the low cost, the easy operation and adjustment of the ALL-CROP Harvester.

On any crop, tall or short . . . in any year, good or bad . . . you win a full-yield return with the ALL-CROP Harvester. Ask any of the more than 200,000 farmers and ranchers who have proved it.

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TRACTOR DIVISION • MILWAUKEE 1, U. S. A.

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Bred for the Future



WARNING

Buying T2 Brangus
Bulls May Become Habit Forming

Heavier Calves at Weaning
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 Better Breeders at a Younger Age
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Member American Brangus Breeders Assn.

Disease Remains a Threat

Even if Mexico is free of the disease and the current outbreak in Canada is eradicated, foot-and-mouth disease is still a threat to the livestock industry of the United States. The infection will be dangerous as long as it exists anywhere in the world, because it is the most rapidly spreading and unpredictable of all animal diseases.

At the present time, foot-and-mouth disease is widespread and is attacking herds in Europe (including England), Asia, Africa, and South America. We in the United States must remain constantly alert to keep it pushed back from our own borders. If the disease should become established in this country, the most conservative estimates made by veterinary scientists show that our meat supplies might be cut by at least 25 per cent. We would lose valuable sources of wool, leather, milk and vital medicines. For this reason, the fight against foot-and-mouth disease is of importance, not only to livestock owners, but to every citizen of the United States.

At the present time, we are guarding the Canadian border against an outbreak which could spread from nearby Saskatchewan. I assure you that the Canadians don't think the business of controlling foot-and-mouth disease is as phony as you do and that there are a great many livestock farmers and meat consumers who look at this seriously. You might be interested in looking at the pictures of the Saskatchewan outbreak on page 36 of the March 10 issue of Life Magazine, one of your recent sponsors, if you think that foot-and-mouth disease is taken lightly.

I sincerely hope you see fit to retract the obvious misinformation given to the American public. They have every right to accurate treatment of such a serious subject.

Sincerely yours,
 (s) CHARLES F. BRANNAN
 Secretary

Foot-and-Mouth Check-Up Continues

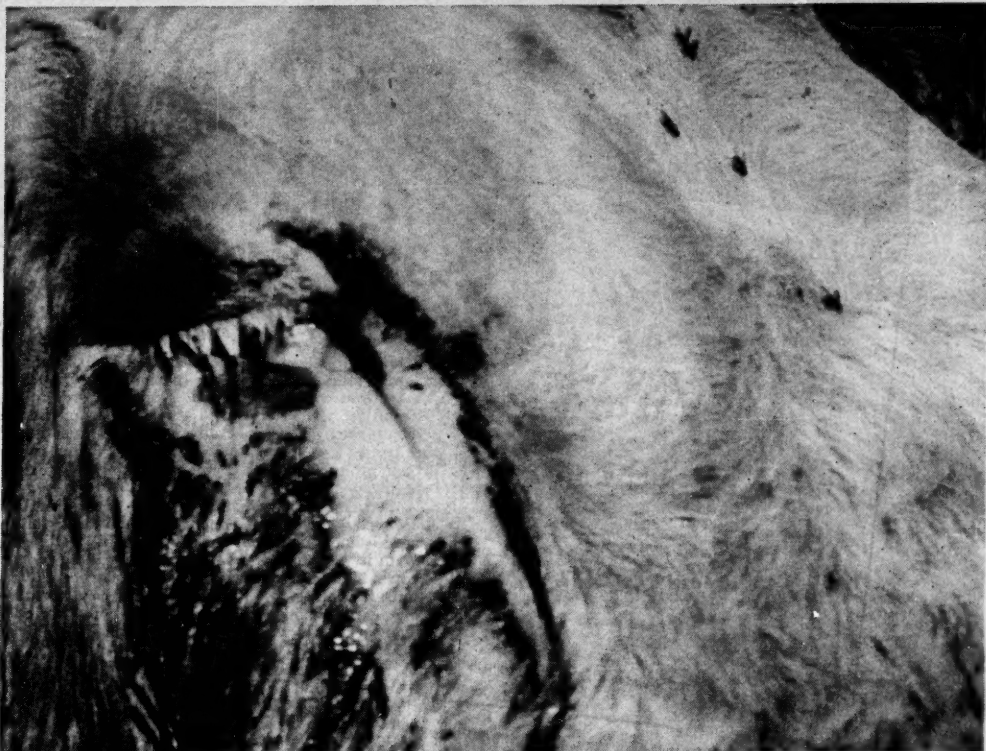
HEIGHTENED activity of inspection forces employed by the Mexico-United States Commission for the Eradication of Foot-and-Mouth Disease resulted in the investigation during March, 1952, of 57,625 herds containing sick animals. Licenciado Oscar Flores and Dr. L. R. Noyes, director and co-director of the commission, have announced. This is nearly twice the number, 29,430, of sick-animal reports investigated in February. None of the animals had foot-and-mouth disease.

Cooperation of the people in reporting sick animals continued to include more than half of those discovered, the others being found in normal routine inspection. The percentage reported by the people was 54 in February and 55 in March. Both months fell below the all-time record of 60 per cent reported by the people in January.

The commission's work has entered a new phase since the announcement of March 12 that the aftosa campaign in its present form will end September 1 of this year—if there are no more outbreaks. Inspection and investigation of sick-animal reports will continue with a gradually diminishing staff until that date, but emphasis is now being put on educating the people to inspect their animals themselves and to report suspicious cases to the authorities. The matter will be in their hands after September 1, when a skeleton force of Mexican and U. S. veterinarians will remain to work in each state of the quarantine zone. That the people are responding well in this period of training is indicated by the mounting numbers and percentages of sick animals reported by vigilance groups. But this is another reason for the continuing expenses of the commission: each of the 31,549 sick animals reported in March by the people had to be investigated. A total of 30,685 investigations were completed by livestock inspectors, but 864 cases involving the foot, mouth and teats required the attention of veterinarians.

Inspection of livestock continued at a high rate during March, when 199,508 herds were examined, containing 3,630,752 cattle, 1,370,715 sheep, 1,751,915 goats, and 1,576,413 swine—a total of 8,329,795 animals susceptible to aftosa. Veterinary investigations rose from 345 in February to 864 in March. Few cases indicative of possible foot-and-mouth disease were found by veterinary technicians, only five samples having been taken from five premises in two states for laboratory analysis. Four of these reacted negatively in serological and biological tests, and one was Indiana-type vesicular stomatitis (a disease indistinguishable from foot-and-mouth disease except by scientific tests). None was aftosa.

Manpower continued to decline during February and March, following pretty closely the gradually lowering projections set by the commission. The number decreased by 31 in the month of February and by 26 in the month of March, leaving a total of 1,716 Mexican, American and Joint Commission employees. This is the lowest since September, 1947.



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Your dollar losses multiply as pinkeye spreads. Stop profit shrinkage with handy, easy-to-use Cutter Trisulfanol.

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ing and spread antiseptics evenly over eye. Yet there's no oil to hold dust or irritating foreign particles.

In Ready-to-Use Sprayer Bottle Trisulfanol can be administered with one hand; one easy squirt. In most cases two squirts, a day apart, will be sufficient. Cutter Laboratories, Berkeley, Calif.

Trisulfanol **PLUS** Value

Use Trisulfanol on cuts and gashes, too; it helps to heal and combat infection.

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CUTTER / Trisulfanol

RED TOP RANCH

CAMP VERDE
TEXAS

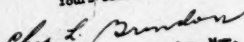
February 27, 1952

La Pryor Milling Co., Inc.
La Pryor, Texas

Gentlemen:

I started feeding Winter Garden PVM in September, 1951 to Brahmas (Brahman-Swiss Cross) Cows, and they consumed about 4 pounds per head per day for about 30 days. Then my cattle started tapering off until now they are consuming about a pound per head per day (Feb. 1952). Also feeding some sheep Winter Garden PVM; unlike the cattle, my sheep started off consuming very little, but now they are eating about 1 1/4 pound per head per day. My cows and sheep are doing exceptionally well considering the extreme drought conditions of the period I have been feeding Winter Garden PVM. The way my animals have leveled down in their consumption, I believe Winter Garden PVM to be a very economical supplement to feed. I am very well satisfied with the results of feeding PVM.

Yours sincerely,


Charles L. Brandon, Mgr.

PVM

saves

• TIME and
• LABOR

builds MORE BEEF
MORE WOOL
MORE MILK

... why we developed Winter Garden PVM

Back in 1945 being short of ranch help, Shahan Angus Ranch started a series of experiments to find a supplement that could be self-fed, keep our herds in top condition the year 'round, and at the same time be economical. Such a supplement we knew must supply the nutrients lacking in grass, the basic factor in low cost beef production, in varying amounts at different times of the year.

As a result of over five years of feeding tests and analyses of blood specimens from hundreds of animals, we reached our goal with WINTER GARDEN PVM. With it we found we were producing better conditioned cows, higher percentage calf crops, earlier calves, more milk for calves, and healthier, heavier calves at weaning . . . and what was highly important, cattle did not overeat and it was economical to feed.

CUTS FEEDING LABOR COST

A Shahan Ranch savings of up to \$4.80 or more per head were made in self-feeding WINTER GARDEN PVM, based on labor at 55 cents per hour and at the same time more beef per acre was produced.

BIGGER GAINS - BIGGER PROFITS AND CATTLE WILL NOT OVEREAT.

Cows fed WINTER GARDEN PVM continuously on range weighed up to 200 pounds more than cows not so fed, and they were in better condition and produced calves weighing 25 to 50 pounds more at weaning. All this at a cost of a trifle over 2 cents a day without danger of overeating.

NOW AVAILABLE TO ALL

Having discovered a self-rationing supplement that met all our requirements, we felt it only fair to expand our facilities for manufacturing WINTER GARDEN PVM so that others could avail themselves of its extra profit-making capabilities. Right now is the time to put your herds and flocks on WINTER GARDEN PVM. Use 12% protein for year 'round feeding and 16% or 20% Protein for poor range conditions. No additional salt minerals, vitamins, or proteins needed. PVM supplies it all in one package.

PVM

DEVELOPED BY

J. T. "HAPPY" SHAHAN

12%, 16%, and
20% Protein
No Additional
Salt, Minerals, or
Protein Required

Pasture Values Multiplied

THE SUPERIOR SELF-RATIONING
SUPPLEMENT

Write or Wire
for Further Data
and Delivered Prices

NEWLIN RANCH

R. A. Newlin, Owner
P.O. Box 100, Newlin, Texas

La Pryor Milling Co.
La Pryor, Texas

February 27, 1952

Gentlemen:

This has been an extremely hard year to give any feed a good trial, and I have only fed PVM under extreme dry and winter conditions, but I think Winter Garden PVM is an awfully good range supplement. I am going to keep PVM before my Hereford Cattle all summer and right on through. I think it is going to be all right. I can say it has saved me money on my winter feeding program.

Yours truly,

R. A. Newlin

H. E. McCULLOCH

Mustang Ranch
Millersview, Texas

January 24, 1952
La Pryor Milling Co., Inc.
La Pryor, Texas

Gentlemen:

We have fed Winter Garden PVM about 50 months and so far it has done an excellent job at as low cost as any feed we ever fed.

Our sheep have had PVM and old crans only. PVM seems to be the answer to winter and year 'round feeding problems.

So far we are well pleased with the cost and results we have obtained with PVM feeding.

Sincerely yours,

W. F. Carlton
Mustang Ranch
By V. H. Carlton, Mgr.



TOXANOX

LIVESTOCK

Spray

CONCENTRATE



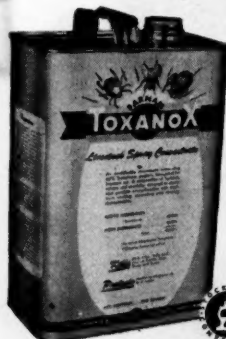
Gets Results!

KILLS HORN FLIES . . . TICKS (Lone Star, Gulf Coast, Winter and Fever Ticks) . . . **LICE** (Short Nosed, Long Nosed and Tail Lice) . . . On Cattle, Horses, Hogs, Sheep and Goats! Also a residual surface spray!

PROTECTS against re-infestation up to 3 weeks!

At Low Cost!

MIXES with water at economical dilutions . . . 1 to 150 up to 1 to 600. Assures better results at lower cost. Gives you positive kill plus long lasting residual toxicity.



Toxanox is an emulsifiable 65% Toxaphene concentrate properly formulated for use on livestock. Contains the right combination of toxicant, solvent and emulsifier for best results. Mixes easier, emulsifies better and disperses properly in spray solution. Dollar for dollar it gives you a better kill of lice and ticks, as well as flies.

AT YOUR DEALER — If he doesn't Stock it, he can quickly get it for you, from —



The FARNAM Company
Phoenix, Arizona

Osage-Blue Stem (Flint Hills) Pasture Report

THE Blue Stem-Osage pastures of Kansas and Oklahoma are fully leased at record prices. The leasing started early with the demand exceeding the supply. About 97 per cent of the available pastures were under lease by April 1, 1952, compared with 96 per cent a year ago, 62 per cent two years ago, and the ten-year (1940-49) average of 84 per cent. Pasture feed prospects are very good to excellent, with plentiful soil moisture, according to the report of the Denver Western Livestock Office of the U. S. Bureau of Agricultural Economics.

The pasture areas wintered more cattle than a year ago. There was an increase in the inventory of locally owned cattle and some cattle came in during the past fall and early winter from the dry areas of the Southwest. The spring movement of cattle started in early, due to dry conditions in the Southwest, with prospects of the receipts equaling last season.

The early leasing of pastures left a small acreage for the late demand and extended leasing to pastures in other sections of Kansas and Oklahoma and other states. Lease prices reached a record high and were far above the previous record prices of last season. Late season lease prices were higher than those made early in 1952.

Pasture prospects are very good to excellent in both sections, with abundant soil moisture. Pasture feed has started a little early although the March weather was cool. There is a good crop of old grass. Cattle in the pasture sections wintered in good condition, but some of the cattle arriving early from the Southwest are in thin but strong condition.

Blue Stem Pastures of Kansas

Practically all of the Blue Stem pastures are under lease at record prices. The leasing of the pastures started early with a record proportion—97 per cent—under lease by April 1. A year ago, 96 per cent were leased, compared with 59 per cent two years ago, and the ten-year (1940-49) average of 82 per cent. The demand seems to have exceeded the supply with leasing extending to other sections of Kansas. More local cattle were wintered than a year ago, with some cattle wintered that arrived late in 1951 from the dry areas of the Southwest. Cattle are moving in early from dry areas of Texas.

Prospects for grass are excellent; March rainfall placed the soil in excellent condition. March weather was cool, but pastures are greening a little early. Pastures were not grazed too heavy last season, considerable old grass remained, so many of the pastures have been burned. The condition of the pastures on April 1 was 96 per cent, compared with 93 per cent a year ago, 81 per cent two years ago, and the ten-year (1940-49) average of 94 per cent.

Lease prices are at record levels generally, exceeding the previous high of last year about 43 per cent. The bulk of the leases for steers and cows were from \$25 to \$32 per head, with leases at \$18 to \$20 per head. The average price for steers and cows this season is about \$27.75 per head, compared with \$19.40 last season, \$13 in 1950, and the ten-year (1940-49) average of \$10.50. Leases for young cattle average about \$19.70 per head this season, compared with \$13.90 last season, \$9.20 two years ago, and the ten-year (1940-49) average of \$7.40. Acreage guarantees are a little below last season and are generally 3.5 to 6.5 acres for steers and cows and 2.5 to 4.5 acres for young cattle for the season.

Osage Pastures of Oklahoma

Osage pastures are stocked to near capacity, with lease prices at an all time high. Pastures were leased early, with a continued strong demand by outside cattlemen. The carryover of wintered cattle was unusually large. About 98 per cent of the pastures were leased by April 1, compared with 93 per cent a year ago, 81 per cent two years ago, and the ten-year (1940-49) average of 90 per cent. Some cattle moved in last fall from the dry areas of the Southwest, with an early movement this spring.

Grazing prospects are very good; ample soil moisture is available and has been all winter. Stock ponds are full. Sunshine and warm weather will assure good grazing early. The condition of pastures on April 1 was 91 per cent, the same as a year ago, compared with 82 per cent two years ago, and the ten-year (1940-49) average of 90 per cent.

Pasture lease prices are at an all time high, with an increase of 70-75 per cent over the previous record of last season. Leases for steers and cows were mostly \$20 to \$30 per head, with young cattle at \$15 to \$22 per head. Leases for steers and cows this year average about \$25.95 per head, compared with \$14.70 last season, \$12.20 two years ago, and the ten-year (1940-49) average of \$9.05 per head. Leases for young cattle average about \$18.30 per head, compared with \$10.70 last season, \$8.90 two years ago, and the ten-year (1940-49) average of \$6.45. Acreage guarantees are the lowest for several seasons, with steers and cows mostly five to seven acres and young cattle three to five acres per head for the season.

Prevent Diseases

that Can and Do Wreck Profits!

**Blackleg, Shipping Fever, Malignant Edema, Anthrax, Brucellosis
Can Be Prevented with Lederle Bacterins and Vaccines**

Early, timely vaccination is the **BEST** protection against many killer-diseases. Use of dependable veterinary biologicals can mean the difference between profit or loss in livestock raising.

Veterinary bacterins and vaccines that are produced with the same exacting care and supervision as those for human use obviously set the standards of quality. Uniformity and high quality are sealed into veterinary biologicals that bear a Lederle label.

Outstanding bacterins and vaccines prepared by Lederle are:

CLOSTRIDIUM CHAUVEI-SEPTICUS PASTEURELLA BACTERIN (Alum-Precipitated) TRI-BAC*
Lederle for blackleg, malignant edema, shipping fever.

BLACKLEG-HEMORRHAGIC SEPTICEMIA BACTERIN (Alum-Precipitated) B.H.* BACTERIN
Lederle for blackleg and shipping fever.

BLACKLEG BACTERIN (Alum-Precipitated) *Lederle* for uncomplicated blackleg.
ANTHRAX SPORE VACCINE NO. 3 CARBOZOO* *Lederle* for anthrax.

HEMORRHAGIC SEPTICEMIA BACTERIN (Alum-Precipitated) *Lederle* for shipping fever.

BRUCELLA ABORTUS VACCINE (Vacuum-Dried) *Lederle* for brucellosis.

Your veterinarian can help you maintain the best in management practices and disease-control methods.

*Reg. U. S. Pat. Off.



Animal Industry Section

LEDERLE LABORATORIES DIVISION

30 Rockefeller Plaza *AMERICAN Cyanamid COMPANY*

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TR ZATO HEIR, His get and service sell!



HILLCREST LARRY 4th, His service sells!



Turner Ranch is a scheduled stop on the tour. We have calves by TR Zato Heir and Hillcrest Larry 4th that we are very happy with and would like for you to see them.

HEREFORD HEAVEN

Association

Tour and Sale

JUNE 13th

(Sale at night)

We are selling:

- ★ 9 daughters of
TR Zato Heir bred to
Hillcrest Larry 4th
also
- ★ The 1952 San Antonio reserve
champion female. She is by
HC Larry Domino 12th, bred
to TR Zato Heir.

NATURAL
Fleshing Quality
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ENTRANCE TO RANCH - 7 MILES EAST AND 1 MILE NORTH OF SULPHUR - STATE HWYS 7 & 12

TURNER RANCH - SULPHUR, OKLAHOMA

Roy J. Turner • Jim McClelland • Roland Jack • John Blenkin • Tom Harris, Show Cattle



All set for a hard session. Members of the Board of Directors of the Texas A. and M. College System settle down with their agenda books before them for a session with the statewide affairs of their vast organization. Left to right are C. C. Krueger, San Antonio; Judge James Witherspoon, Hereford; Senator H. L. Winfield, Fort Stockton; Tyree Bell, Dallas; President of the Board G. R. White, Brady; E. W. Harrison, South Bend; A. E. Cudlipp, Lufkin; and Rufus Peebles, Tehuacana. Absent when this picture was made was Bob Allen, Raymondville.

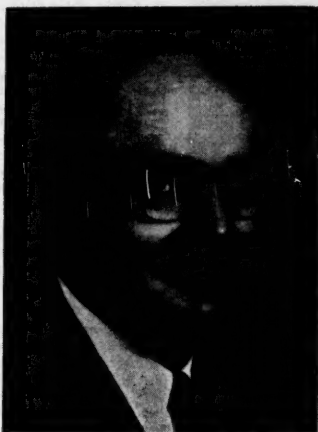
Texas A. & M. College System

How This Modern Method of College Administration Was Organized and How It Works

SAY "Texas A. and M." to the average Texan and he'll immediately call to mind a big school for men located on a bend of the Brazos River near the southeastern corner of that rich farming area known as Central Texas. If you give him half a chance, he'll probably tell you in true Texas style that "it's the biggest military school in the world" and add something about it having "furnished more officers to the Army during World Wars I and II than any school in the country, including West Point." If you don't slow him down, he'll tell you about the A. and M. football teams and may even wind up with some fairly complimentary remarks about its educational advantages in agriculture and engineering.

What he's talking about, of course, is "Texas A. and M. College," or, more formally and correctly, The Agricultural and Mechanical College of Texas. This is all very right and proper, since the A. and M. College of Texas is the state's oldest tax-supported institution of higher learning and has in its seventy-five years of existence given Texans a good deal of solid ground for boasting. This is, however, a most un-Texan bit of reporting, since it concentrates on a localized part of a statewide organization and allows your Texas friend to brag only in terms of hundreds and thousands when he might just as well be talking in terms of hundreds of thousands.

The Agricultural and Mechanical College of Texas is a part, one of nine parts, to be exact, of the Texas A. and M. College System. Where the college numbers



Gibb Gilchrist, Chancellor of the A. and M. System, has served in this top position since it was created upon formation of the System in 1948. Former State Highway Engineer and Dean of Engineering at A. and M. College, he stepped into his present post from presidency of the college. He is this year also serving as Grand Master of the Grand Lodge of Texas, A. F. & A. M.

its acres in hundreds, the System owns and operates thousands, where the college lists its enrollment in thousands, the System is actually engaged in the education of hundreds of thousands. Texas' A. and M. College is a sizeable operation as colleges go, with some five hundred men and women on its staff at College Station; the System, however, carries on its payrolls some 5,000 people, scattered over the broad expanse of Texas.

No old-school Texan would deliberately pass up such an opportunity to talk in Texas-sized figures, but while the A. and M. College is a deeply rooted part of his native background and lore, the System which has grown up around this college is a comparative newcomer to the family of officially recognized agencies of the Lone Star State. It grew up slowly and unobtrusively as a collection of special service groups created from time to time to meet special needs of a growing state and attached to the A. and M. College for purposes of administration. It was in September of 1948 that this sizeable family was organized into a clear-cut working organization under the name of the Texas A. and M. College System.

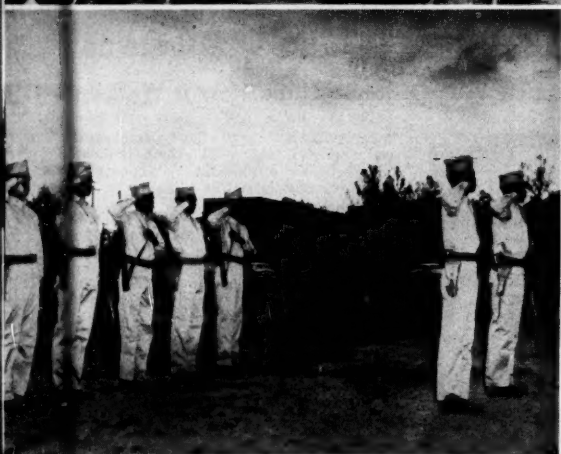
As it stands today the Texas A. and M. College System is a statewide network of colleges, agencies and services engaged in teaching, research and extension work in the fields of agriculture and engineering. It includes the original Agricultural and Mechanical College at College Station, the Prairie View Agricultural and Mechanical College at Prairie View, Tarleton State College at Stephenville



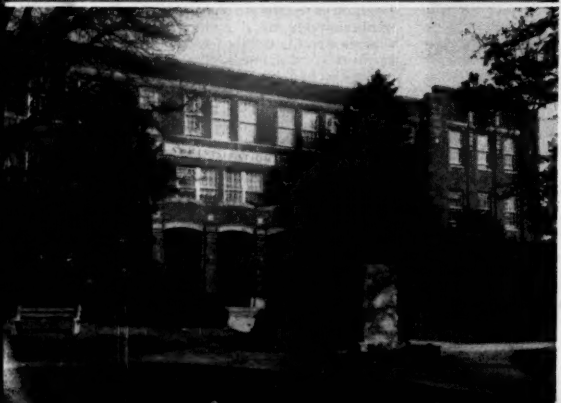
Pooling their agricultural agencies to attack common problems are members of the A. and M. System's Agricultural Council, left to right, Dean Chas. N. Sheppard of the School of Agriculture, A. and M. College; Director G. G. "Hoot" Gibson of the Texas Agricultural Extension Service, Vice-Chancellor for Agriculture D. W. Williams of the A. and M. System, Director R. D. Lewis of the Texas Agricultural Experiment Station, and Director A. D. Folweiler of the Texas Forest Service.



Located in the heart of one of the most rapidly growing heavy industry concentrations in Texas, Arlington State College, between Fort Worth and Dallas, is devoting much of its work to the field of preparing young men and women in two-year courses, for positions in business and industry of the area.



Like all of the schools in the A. and M. System, Prairie View A. and M. College gives military training to its male students, graduating a number each year with reserve commissions. Here the staff of the Prairie View corps of cadets stands at salute during retreat ceremonies. In the background may be seen some of the school's modern dormitories.



Monument to John Tarleton, eccentric pioneer Erath County rancher who left his wealth to establish a school for boys and girls of his area, stands in front of the administration building at Tarleton State College, Stephenville. Located in a farming and ranching area, this school emphasizes two-year agriculture courses with much practical training in the use of modern farm and ranch equipment and methods.

and Arlington State College at Arlington. Its five major services are the Texas Agricultural Experiment Station, Texas Agricultural Extension Service, Texas Engineering Experiment Station, Texas Engineering Extension Service and Texas Forest Service. Each of these services maintains headquarters on the campus of A. and M. College, but conducts its work throughout the state.

Each part of the System is a full-scale organization in its own right, each college headed by its own president, each service by its director. Operating separately they would form an impressive group of state agencies devoted to the work of two of Texas' principal fields of activity. Under the System, however, they operate as a team, and the "coach" of this team, after a manner of speaking, is the System's chief administrative officer, the chancellor. Gibb Gilchrist, who has held the position of chancellor since the System was formed, serves as advisor, guardian, planner, spokesman and watchdog of the treasury for the entire team. Each of the nine organizational heads is responsible to the chancellor for the efficient operation of his own particular part of the System and for the meshing of the work of that part in to the whole general machinery which is the A. and M. System.

The chancellor, in turn, is responsible to and takes his orders from a nine-man board of directors who are named by the governor of Texas, with approval of the Senate, to represent the only final authority in all matters concerning the workings of this big organization, the stockholders and sole owners, the people of the state of Texas. This board is traditionally made up of outstanding men in the principal fields of Texas business and industry, with each geographic area of the state represented. Three new members are named every other year for six-year terms, giving the board a continuous majority of experienced membership.

President and patriarch of the board at this time is G. R. "Rollie" White of Brady, rancher, banker and general bellwether in Texas livestock circles. An 1895 graduate of A. and M. College, he has been a member of the board of directors since 1926 and has been its president the past eight years. Serving with him as directors are Tyree Bell of Dallas, president of the Austin Bridge Company; C. C. Krueger of San Antonio, president of the San Antonio Machine and Supply; Rufus Peebles of Tehuacana, farmer and stockman; E. W. Harrison of South Bend, rancher and oil producer; A. E. Cudlipp of Lufkin, vice-president of Lufkin Foundry and Machine; former State Senator H. L. Winfield of Fort Stockton, rancher, banker and oil man; Judge James Witherspoon of Hereford, lawyer, and Robert Allen of Raymondville, grower and shipper of vegetables.

Far from being an empty honor, membership on this board is a working job which consumes considerable time and lays claim to a fair share of the energies and abilities of those selected. The board meets five times a year, unless called more often, to consider matters of major policy and pass on the business dealings involved in the far-flung operations of the System. In preparation for each meeting the members receive, well in advance, complete reports on all matters which are expected to come up for discussion. When he has finished reading through this several-inch-thick book of reports, the board member is fairly well

prepared to attend the meeting. If he has any additional questions, he asks for more information by telephone or letter.

Woe is the lot of any board member who attends one of the two-day meetings without having done his homework. When the opening prayer is finished and the meeting gets under way things move at such a clip that anyone not thoroughly familiar with the background information is at a total loss. Moving from such matters as taking bids on construction projects for each of the four colleges to granting an easement for a public utility right-of-way across one of the experimental substations or accepting gifts and grants in support of research, a typical meeting will include such matters as approving appointments, promotions and leaves of absence for staff members throughout the various branches of the System and may wind up with a discussion of budget proposals for the coming biennium. Since in recent years this accumulation of matters has involved the handling of around \$29,000,000 a year of state money in System operations as well as conducting an \$8,000,000 building program, the directors have every reason to feel, as they do, a serious public responsibility.

Business of the board is conducted in open meetings, with the press of the state notified in advance of each session. Executive sessions are held for discussion only.

Policies established and major decisions reached by the board of directors are put into action through the office of the chancellor, who, with a small staff of assistants, serves to pull the varied parts of the System together, giving all the strength of united and directed effort. The resulting teamwork on problems and projects requiring attack from several angles has proven its value in a number of major accomplishments.

Agriculture, being one of the most important of Texas' interests and being of necessity scattered throughout the expanse of the state from the Gulf to the Panhandle, requires the largest and most far-flung of the System's parts. Agriculture is taught in all four of the System's colleges, in everything from one-year terminal courses to the most advanced of professional degree levels. Research in the agricultural problems of the state is conducted at 22 experimental substations, 11 field laboratories and numerous joint projects conducted in collaboration with other state colleges and agencies. In addition, much research has been done in recent years on privately owned farms and ranches, bringing scientific studies onto the land where the results will be observed daily by those who will put them to use. Extension work in agriculture and home economics is carried into every corner of the state by county agricultural agents and home demonstration agents, both white and black, of the Agricultural Extension Service. Representatives of this service are living and working in 252 of the state's 254 counties. Throughout the eastern third of Texas, in the piney woods, the Forest Service plays a most important role in service to the landowner who raises a money crop of trees along with his cows and corn. Bringing these widespread activities together is one top man, the vice-chancellor for agriculture, D. W. Williams.

Actual working together of these four big agencies for service to Texas agriculture is accomplished through the System's agricultural council, headed by vice-chancellor Williams and including Dean of Agriculture Charles N. Shep-

Left—Hunting better ways of treating fence posts for Texas farm and ranch use has been one of the research projects of the Texas Forest Service during the past year. Other research has dealt with treating lumber for longer life.

Right—Growth of Texas cities and towns has increased the need for trained operators of sewage, water and other municipal plants. Texas Engineering Extension service gives on-the-job training in latest methods to Texas workers in these fields as well as in fire fighting and police work.

One of the most important jobs of every extension service worker is in working with the youngsters who will be running tomorrow's farms and ranches in Texas. Here a county agent visits with some of his 4-H club members. Latest reports show 94,063 white and 24,174 Negro boys and girls actively enrolled in 4-H club work in Texas and 41,000 women engaged in home demonstration club activities.

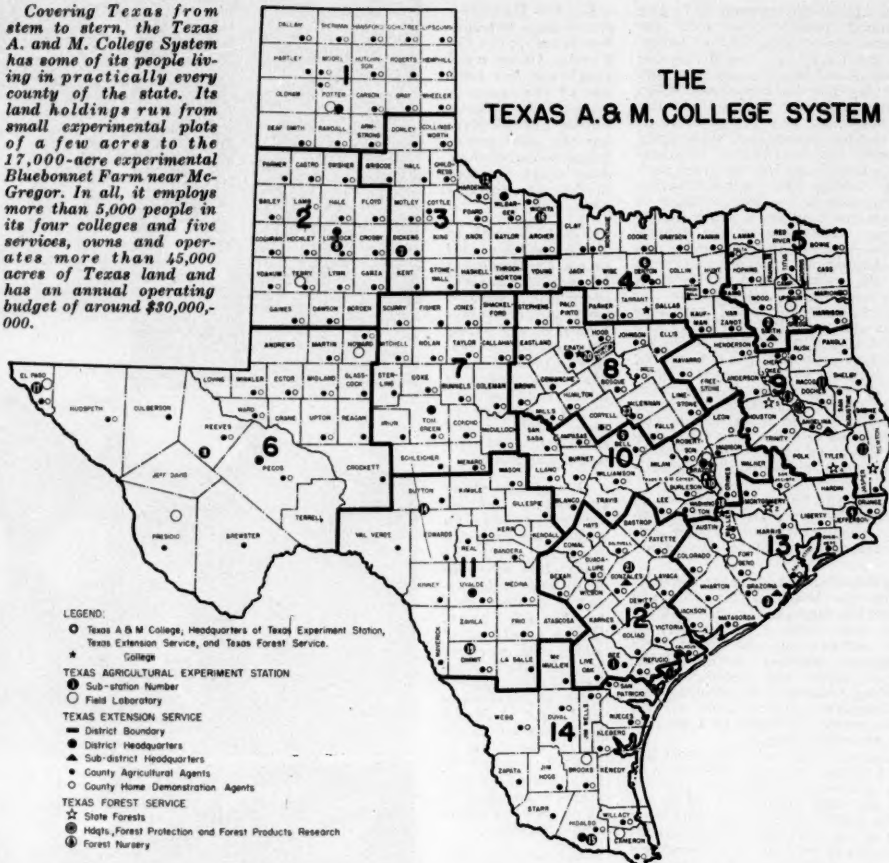
Not satisfied with simply developing better and better rations for livestock, researchers of the Texas Agricultural Experiment Station have undertaken studies to develop better converters, breeding animals which will produce more beef from the same rations. Here a herdsman looks after cattle in the pens at Bluebonnet Farm.

National attention has been attracted by research of the Texas Engineering Experiment Station into some of the fundamental problems of architecture. Here, with scale models, tests of air flow and light are being made which will determine the effects of certain structural patterns on these important functions of the finished building.



Covering Texas from stem to stern, the Texas A. and M. College System has some of its people living in practically every county of the state. Its land holdings run from small experimental plots of a few acres to the 17,000-acre experimental Bluebonnet Farm near McGregor. In all, it employs more than 5,000 people in its four colleges and five services, owns and operates more than 45,000 acres of Texas land and has an annual operating budget of around \$30,000,000.

THE TEXAS A. & M. COLLEGE SYSTEM



pardson of A. and M. College, Director G. G. Gibson of the Agricultural Extension Service, Director R. D. Lewis of the Agricultural Experiment Station and Director A. D. Folweiler of the Texas Forest Service. These gentlemen meet monthly, have lunch with heads of the various agricultural departments and then go into a huddle in which they pool their problems and their powers to meet as effectively as possible the unending parade of crises of drouth, flood, insect, disease, inflation and depression with which Texas agriculture is periodically blessed.

Now, having met the backers and the coaches, to push our simile a little farther, let's take a look at the team. The Texas A. and M. College System is not by any means an overstuffed government agency which bloomed overnight in the fertile mind of some bureaucratic planner. Instead, it grew up slowly, over a period of some three score years and eleven, as the legislature, in answer to the needs of a growing state, created various agencies in the general fields of agriculture and engineering and placed them under the supervision of the board of directors of the state's land grant college.

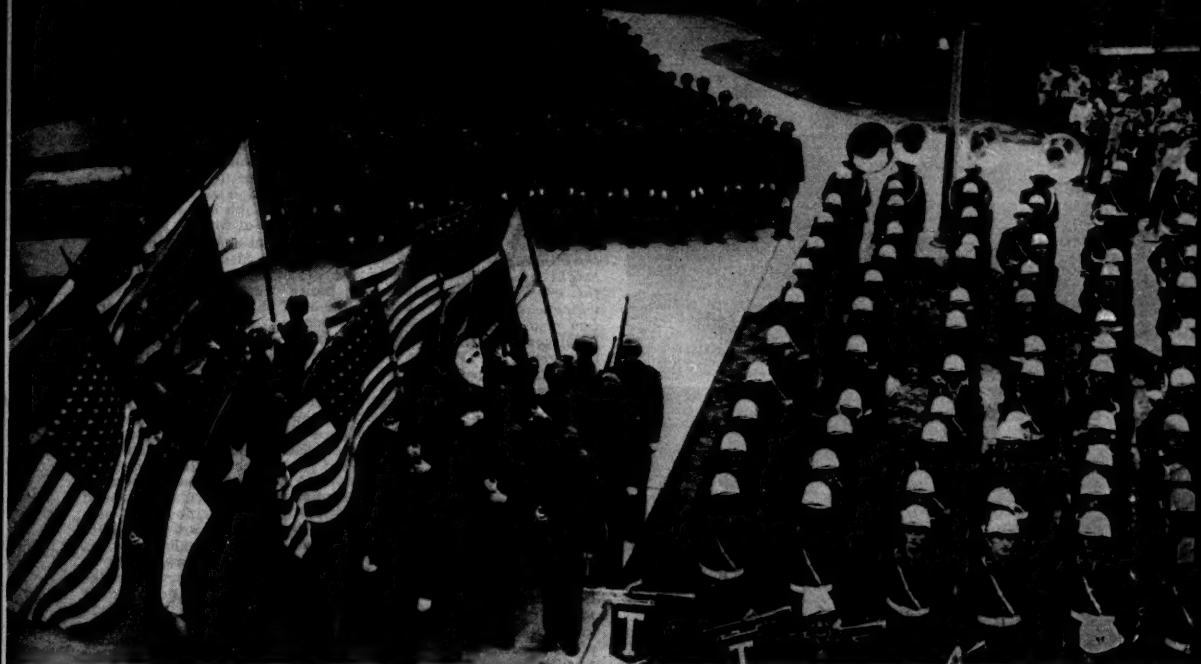
Texas was young when the process

started with the founding of its land grant Agricultural and Mechanical College in 1876. A third of its thirty years of statehood has been devoted to civil war and reconstruction, its western half was still uncertainly held by a few straggling settlers who were in constant danger from roving bands of hostile Indians; its internal affairs were still torn by the bitterness of the recent battles in which Texans had taken over their state government from the scalawags and carpetbaggers. Austin was only a village and Dallas no more than a good sized town. But Texas, surging up from those hard and bitter years under the vigorous leadership of Governor Richard Coke, was planning for an entirely different kind of future. Dreams of empire filled the state, dreams of an agricultural and industrial empire the like of which the world had never seen. Quite practically, those early Texans saw that such an empire would require trained leaders and to this end established their first state supported institution of higher learning to educate their sons in the agricultural and mechanic arts necessary to its development.

The A. and M. College of Texas was opened on October 4, 1876, with a handful of students and a faculty of six. Hav-

ing provided for the education of their own sons, the leaders of the state immediately recognized their obligation to the Negro citizenship of Texas. Three years later, in 1879, the Prairie View A. and M. College was opened near Hempstead, to train the sons and daughters of Texas Negroes for their role in Texas' future. The Texas Agricultural Experiment Station was created in 1888 to do scientific research on the problems of the state's growing agriculture. In 1912 the Agricultural Extension Service was established to carry this scientific knowledge direct to the farms and ranches of the state. Two years later the Engineering Experiment Station was created to match in its field the valuable research being done for agriculture and in 1915 the Texas Forest Service began its work in the conservation and development of the state's forest resources. In 1917 the educational work of A. and M. was spread into new areas as John Tarleton Agricultural College at Stephenville (now Tarleton State College) and North Texas Agricultural College at Arlington (now Arlington State College) were made junior college branches of what was then called the "Main College". These additions were coeducational, offering to the

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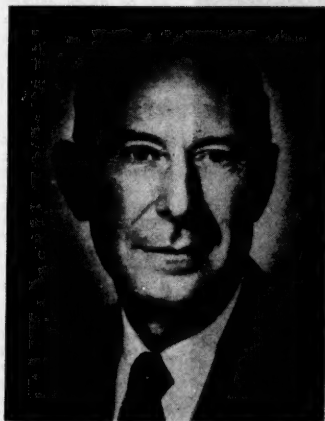
The eight regiments of A. and M. College's corps of cadets, massed in their dormitory area, make an impressive sight. Largest of the nation's top-flight military colleges, the Texas school has included military training in its everyday life since 1876 and since the establishment of the ROTC program in 1920 has given basic training to more than 40,000 boys.

Texas A. & M. College

Texas' First Tax-Supported Institution of Higher Learning

IT wasn't much of a crowd, as crowds are counted nowadays, but every person in it was there for a purpose. Each of the two or three hundred people had risen early that morning, made themselves presentable for an occasion of importance and ridden by horseback or buggy across country to reach this isolated spot in time for the ceremonies. There were men in the buckskin garb of the frontiersman and others in the stove-pipe hats and long floppy coat of politicians. Many of the women wore poke bonnets and multi-petticoated dresses, others wore plain sunbonnets and the simplest of gingham. Down in front there were a score or more of boys, ranging in age from fifteen to twenty-two. These seemed more nervous and excited than any of the rest. All stood quietly in the mid-morning October Texas sun, waiting for the ceremonies to begin.

There was a murmur of excitement as the master of ceremonies arose and when, after a few perfunctory remarks, he turned slightly and announced: "and now, ladies and gentlemen, it is my privilege to present the principal speaker for this auspicious occasion... His Excel-



Dr. M. T. Harrington, twelfth president of Texas A. & M., is the first graduate of the college to hold this distinction.

lency, Richard Coke, Governor of the State of Texas!" Near-Bedlam broke loose for a moment. There were cheers and whistles and more than a few long and piercing rebel yells.

This was October 4, 1876, and the people of Texas, or as many of them as could spare the time and money for a long hard trip, had gathered in a recently converted wild dewberry patch in central Brazos County to formally open their first tax-supported institution of higher education, their Agricultural and Mechanical College. That was reason enough to yell, but in addition, the speaker of the day was "Old Dick Coke," beloved and respected governor of the state, first Texan to be elected to the governorship after the shameful period of reconstruction and man enough to make that election stick in the face of determined opposition by that scalawag, Davis, who refused to give up the governorship until Old Dick practically ran him out of the capitol. The rebel yells were appropriate, too, because Dick Coke had fought long and well in the Confederate cause, rising to the rank of captain, and earning the respect and affection of those who fought with him.

Insert—Governor Richard Coke, transplanted Virginian, Civil War veteran and first popularly elected governor of Texas after Reconstruction, was the father of the Agricultural and Mechanical College.

The entire A. and M. student body is standing retreat formation in front of Old Main around 1880. Uniforms show influence of the Confederate greys and the building is in the height of style for the era. Old Main, which was one of the two original college buildings, burned to the ground in 1912 and was replaced by the present copper-domed Academic Building, which is a campus landmark.

Classrooms under the trees on the banks of the Llano River are among the features of A. and M.'s pioneer effort in the preparation and testing of high school graduates who plan to enter college. Located near Junction, this new adjunct is operated in two six-week sessions each summer for boys who plan to enter schools of the A. and M. System in the fall. Students are tested, given strengthening courses where needed, or given college credit work to get a "running start" on that hard freshman year.

You can almost hear the wheels grinding in the heads of these earnest youngsters as they approach the finish of the three-hour competitive examination for A. and M. College's annual Opportunity Awards. Some 300 top graduates of Texas high schools compete each spring for the awards, which pay \$200 to \$500 a year plus a job to outstanding boys who cannot secure a college education without financial aid.

He was a big man, this Richard Coke, who had come from Virginia in 1850 and played his part in the triumphs and defeats of his adopted state. Anything but eloquent, with his bull-like bellow and his almost-comic lisp, he was still a mighty man of thought and action. Anything he had to say, Texans were willing to listen to. And so they cheered as the six-foot-three figure of massive proportions raised himself from a stout chair back to the lectern and moved to the front. The sun glistened on his jutting untrimmed beard and bounced off his eagle-bald dome as he unfolded his notes and began to speak. His talk was brief and to the point. Coke had a knack for getting to the meat of the nut in a hurry.

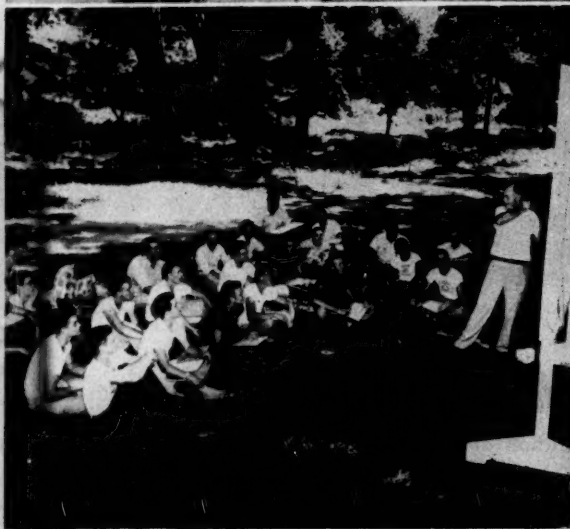
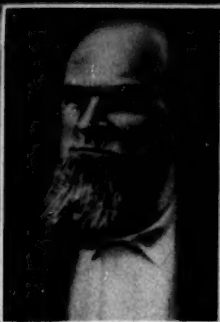
The governor had served as president of the college's board of directors in its formative period, had pushed through the legislature the bills necessary to establishment of the school and had personally inspected many times the construction work as it progressed on the two buildings which now graced the college campus. In many ways, this A. and M. College was Dick Coke's "baby."

"It has been the aim of the board," he said, "to bring down to the lowest possible figure the cost of an education which shall be at the same time thorough, liberal and practical. The leading object of this college is to be, without excluding other scientific and classical studies and including military tactics, to teach such branches of learning as are related to agriculture and the mechanic arts . . . Texas is preparing to embrace and be worthy of the great destiny which the big years of the future have in store for her."

And to the thirty or so young men who stood nervously in the front row—uncertain as a bunch of colts at their first sight of a halter—waiting for the college to be officially opened so that they might become its first students, the governor added: "Let Honor be your guiding star in your dealings with your superiors, your fellows, with all. Be as true to a trust reposed as the needle to the pole, stand by the right even to the sacrifice of life itself, and learn that death is preferable to dishonor. Esteem a character above reproach, beyond all the treasures of earth, and hold your honor ever priceless." Dick Coke was quite a man!

"Ladies and fellow-citizens," he concluded, "I congratulate you upon the auspicious circumstances under which . . . the Agricultural and Mechanical College of Texas commences its career of usefulness." And after a mighty cheer, this time full-throated and full of confidence and high hope, the assemblage shifted ever so slightly, each seeking a new and more comfortable position before hearing the second speaker, newly elected president of the college, Thomas S. Gathright. After an able address by the newly Texanized educator from Mississippi, and after introduction of the five other distinguished men who completed the college's first faculty, all, in the words of the Galveston News' eye-witness correspondent, "retired to the steward's hall" (the college's only other building) "to partake of a sumptuous repast prepared for the occasion by the fair ladies of Bryan."

Seventy-five years later, to the day and almost to the hour, the governor of Texas, Allan Shivers, and a host of other distinguished Texans spoke to thousands gathered in the horseshoe stadium of the Agricultural and Mechanical College of Texas, surveying the college's first three-



quarters of a century and finding much of Old Dick Coke's speech to have been strikingly prophetic.

The two original buildings were gone. Old Main, from whose steps the opening ceremonies were held, had been razed by fire in 1920 and old Gathright Hall, which the steward's hall was called, had fallen victim to progress in the building program of the thirties. But the firm foundation of a sound philosophy of thorough, liberal and practical education "at the lowest possible figure" had remained as a bedrock on which a mighty school had grown.

In its 75th year the A. and M. College of Texas is housed in an approximately \$30,000,000 plant, of which around \$6,000,000 worth is brand spanking new. It teaches all phases of agriculture and engineering as well as the pure sciences and the humanities in both the undergraduate and graduate levels. Excellent laboratory facilities, in many cases unmatched elsewhere in the South, are available. In addition to a capable teaching staff of over 500 members, the students have the advantage of special courses conducted by top research men from the agricultural and engineering experiment station laboratories and from the extension workers who are also a part of the A. and M. System.

Today graduates of A. and M. College may be found at the top of many industries in the Southwest and throughout the world, especially in the oil business, chemical plants, public utilities, construction industries and all phases of agriculture and its allied industries. A graduate of the class of 1915, M. W. Smith, for example, is president of the Baldwin Locomotive Works. Another, Col. T. H. Barton, '01, is president of the Lion Oil Company, W. W. Lynch, '22, is president of Texas Power & Light while J. B. Thomas, '11, is president of Texas Electric Service Company. James L. Pipkin of the class of 1929 is vice-president in charge of public relations for The Texas Company and his classmate, W. D. Singleton, is plant manager of the Ford Motor Company in charge of Defense Production Operations. Dewitt Greer, who graduated in 1923, is State Highway Engineer for Texas. Rollie White and Col. Britten have been mentioned elsewhere in this issue, as has Kenneth Edwards of the class of '20. Others who have made outstanding reputations in agriculture include Jack Turner, '26, who is secretary of the American Hereford Association, and Dean E. J. Kyle of the class of '99, who in addition to being long-time Dean of Agriculture at Texas A. and M., served as ambassador for the United States to Guatemala. There are many more, but these should serve to prove the point.

In every war since the college was founded, A. and M. men have formed a valuable reserve of trained citizen soldiers, ready and able to uphold the tradition of fighting Texans. There were A. and M. men at San Juan Hill, who acquitted themselves quite creditably. The senior class of 1918 volunteered in a body for officers' training camp at Leon Springs, a month before the end of school. They could not return to the campus for their diplomas and the college's graduation exercises that year were held under a huge oak tree in the hills near San Antonio. In World War II some 20,000 A. and M. men served in the armed forces, 14,000 of them as officers. Twenty-nine reached the rank of general and six received the Congressional Medal of Honor. This year on April 21st, the

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Probably no man has contributed more to the Texas cattle industry than the late Dr. Mark Francis, first Dean of the School of Veterinary Medicine at Texas A. and M. College. It was he who, around the turn of the century, developed means of immunizing cattle against the dread splenic fever or "Texas fever" which was threatening to wipe out the cattle industry of the state.

Symbolic of the "new A. and M.," which a multi-million dollar building program has helped to create in recent years is the modern Memorial Student Center which serves as a campus "living room." A social and recreational center for the student body, it serves as a meeting and stopping place for the people of Texas who have business on the campus or come to visit their sons. Completed in 1951, it was dedicated as a memorial to the sons of the college who gave their lives in World Wars I and II.

Ferdinand, the flower-loving bull, was out-Ferdinanded with a floral Hereford sent by Fort Worth friends for the dedication of A. and M. College's new Beef Cattle Center, first of the combination classroom-laboratory centers in the college's new agricultural layout west of the railroads at College Station. Admiring the piece are D. W. Williams, A. and M. vice-chancellor, and Ray Wiloughby, immediate past president of the Texas and Southwestern Cattle Raisers Association.



Prairie View -- Texas' Land Grant College for Negroes

**A Part of the Texas A. and M. System
It Provides Excellent Opportunities for
Negroes to Secure a Good Education**

"Our own Shamrock" is what the girls at Prairie View call their newest dormitory, Suarez Hall, which, in fact, has a lounge decorated in the Shamrock manner under supervision of the Californian who planned the decorations for the Houston hospitality.

Modern is the word for new buildings which are blossoming on the Prairie View campus, as this shot of a corner of the new dormitory for boys indicates. This is the most recently completed of Prairie View's new buildings, made possible under the recent A. and M. System building program.

One of the finest facilities of its kind in America is the new Plant and Animal Industries building in which Prairie View students are taught some of their most important agricultural courses. The building includes a modern abattoir, freezer plant and laboratories, as well as classrooms.

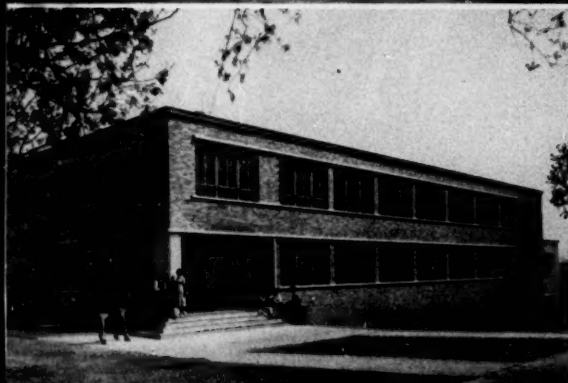
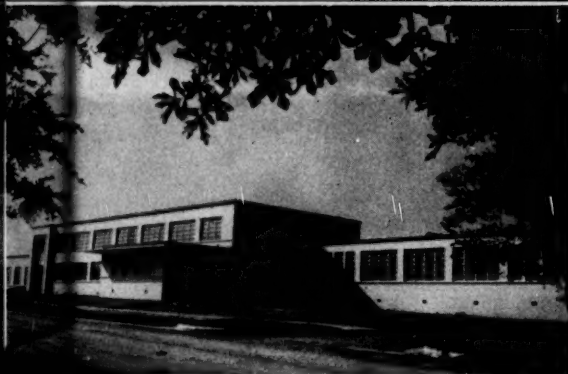
Newly reorganized and brought up to date, the Engineering department at Prairie View has its own new building, fully equipped. Much advancement in this field has been made in recent years and more is planned.

THIRD largest negro college in the United States, and by all accepted standards one of the best, is the Prairie View Agricultural and Mechanical College of Texas, a few miles east of Hempstead on State Highway No. 6. It is the second oldest state supported institution of higher learning in Texas, is a co-educational senior college offering training in agriculture, engineering, education, nursing and the associated arts and sciences, and is officially the state's land grant college for Negroes. In addition it operates the only all-negro agricultural experiment substation in the country and is headquarters for the work among negroes of the Texas Agricultural Extension Service.

Prairie View at present has an enrollment of 2,550 in the regular school year and is topped in number of students only by Howard University and A. & T. College in North Carolina among the nation's 103 negro colleges. Its enrollment is limited so far only by facilities, which have been expanded amazingly in recent years and are continuing to grow. An unusual feature of the college enrollment is that it is almost as heavy in the summer as during the regular session, because of the large number of teachers



Recognized as one of the outstanding Negro educators in the United States, Dr. E. B. Evans, Prairie View president, is serving this year as president of the Negro Land Grant College Presidents Association. He was recently awarded the Silver Antelope, highest award of the Boy Scouts of America, for his service to American boyhood and a district scouting organization in Texas has been named in his honor.



who come to it for graduate training during the vacation period and the great number of short courses and conferences sponsored by the school. Last summer's graduate school alone at Prairie View had a whopping enrollment of 1,100.

Like all of the schools of the A. & M. System, Prairie View includes military training in the preparation of its male students and its corps of cadets is rated high by military inspectors who visit it regularly. Many Prairie View graduates are now serving as officers in the armed forces and many others are giving valuable service as a result of training received at this school.

Prairie View is headed by one of the outstanding negro educators of the nation, Dr. E. B. Evans. A graduate of the Texas school, President Evans took his degree in veterinary medicine at Iowa State College and returned to his alma mater to serve 25 years in various positions of responsibility before being named to its presidency. When the well known Tuskegee Institute decided to put in a School of Veterinary Medicine a number of years ago they called on Dr. Evans, who took temporary leave from Prairie View to organize the Tuskegee School and serve as its first dean. President Evans has been very active in boy scout work among the members of his race and has been honored with scouting's highest award, the Silver Antelope. Recently a division of the Buffalo Trails council of the Boy Scouts of America was named in his honor. A leader in educational circles in the country, Dr. Evans is this year serving as president of the Negro Land Grant College Presidents Association.

The well-trained Prairie View faculty of 146 includes 17 holding Ph. D. degrees and 91 holding Master's as well as 24 with Bachelor degrees. Sharing in the System-wide building program, Prairie View in the past two years has seen many excellent additions to its facilities, including a new \$350,000 dormitory for girls, a new \$350,000 dormitory for boys, a \$350,000 Plant and Animal Industries Building, a \$229,000 Engineering Building, a new teacher training center, new sewage plant, and a number of other improvements.

Engineering work, which had developed slowly over the years, was last year organized as a school of the college and with a new building, completely and modernly equipped, is now gaining fast in stature. Agricultural work, long a strong part of the Prairie View program, has gained new impetus from the modern Plant and Animal Industries Building and from close association with their own agricultural research center, located near the campus. The strengthening of these two basic programs has put Prairie View into the true land grant pattern for which it was originally created, and made it in truth the A. & M. College for negroes in Texas.

It was not always thus, or anywhere near thus, for that matter, at the campus on the prairies of Waller County. At the same time it was preparing to open the A. & M. College of Texas, the 15th Legislature recognized its responsibility to the negro boys and girls of the state by providing for the establishment of an "Agricultural and Mechanical College for Colored Youth" and appropriating \$20,000 for this purpose. The three-man commission appointed in 1876 to locate and build

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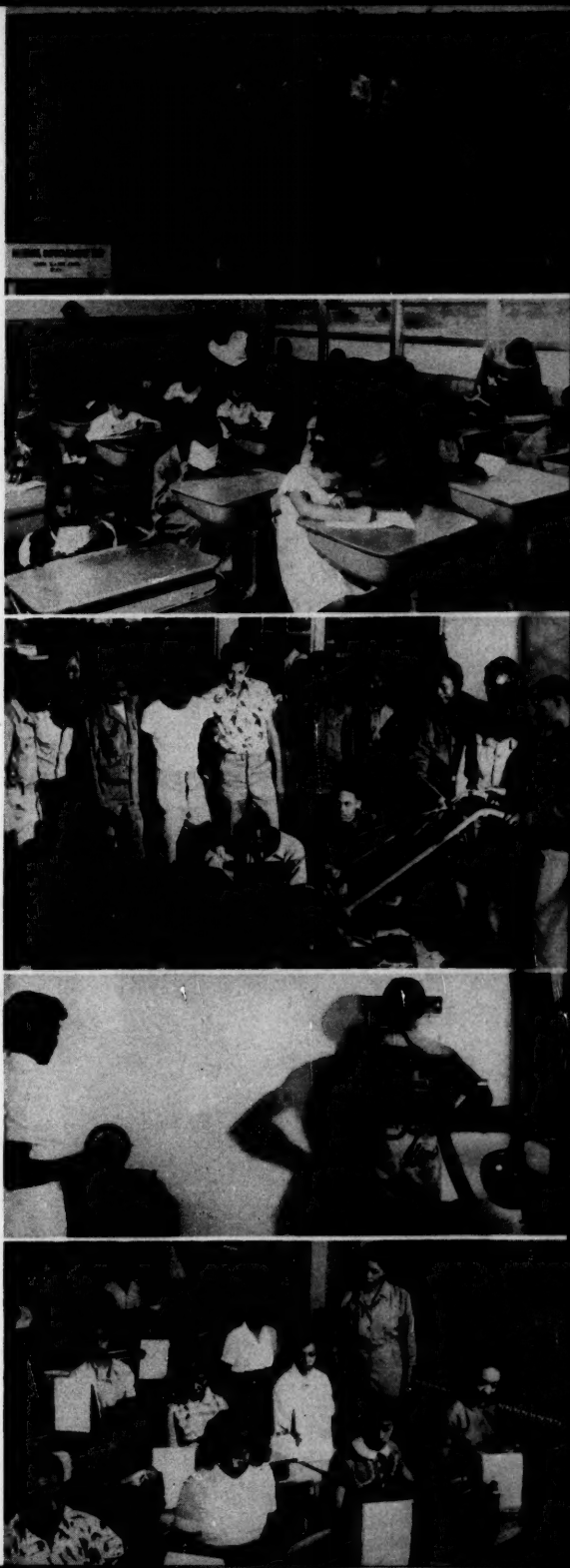
At their own substation of the Texas Agricultural Experiment Station, Prairie View staff members and students conduct research in such problems as pasture improvement, shown here, livestock feeding, plant selection and numerous other studies. This is said to be the only all-Negro Agricultural Experiment Station substation in the nation.

Prairie View, which has trained more than 70 per cent of the Negro teachers now employed in Texas, has a modern teacher-training program with facilities including a practice teaching center on the campus. This school is the only Negro college in Texas accepted for membership in the American Association of Colleges for Teacher Training.

Class in Farm Machinery—J. R. Ross, instructor.

The only college-level school of nursing for Negro girls west of the Mississippi is at Prairie View A. and M., which has trained a large majority of the Negro nurses now working in Texas and the Southwest. With three and five year courses, including technical training and service in some of the state's best hospitals, nursing education at this school is serving in an area of critical need among Texas Negroes.

Class in Typing (letter writing), Miss Lillian B. Garrett, instructor.



Arlington State College

A Part of the A. & M. System Serving a
Rich Industrial Area



Departments of Biology and Chemistry and offices of the Dean of the college are housed in Arlington's new Science building, completed just before the opening of school this year at a cost of \$100,000.



Newest addition to Arlington State's modern plant is the \$150,000 Engineering building, occupied early this year. It houses the major work in industrial training and fronts the quadrangle of shops and laboratories devoted to this work.



Business courses, preparation for jobs as secretaries, accountants or managers of their own budgets and businesses, are among the most popular of the two-year programs at Arlington. Department heads say it is impossible to supply the growing demands of the booming businesses of this area.

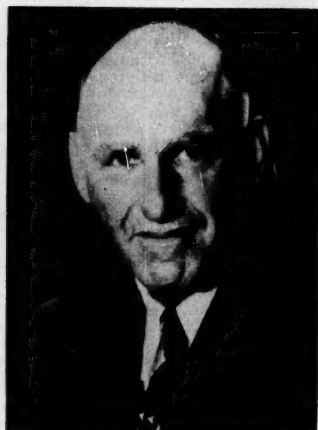


While the eligible male population of Texas will probably beat them to it, the major food establishments of the state are watching closely the progress toward graduation of young women enrolled in the foods courses at Arlington. A class is shown here in the foods laboratory, part of the well-equipped home economics setup of the school.

THERE are only four counties in Texas with a population density of more than 400 persons per square mile, according to the last census. Arlington State College is located practically on the line between two of them. This is the heart of the greatest concentration of heavy industry in Texas, between the cities of Dallas and Fort Worth, and the concentration of population is becoming more marked as the industrial boom increases in pace. In the city of Arlington alone, at this writing there are 2,200 homes under construction or contract. General Motors is building a huge plant nearby, to join the host of aircraft, motor vehicle and other plants which are crowding into the area.

In such surroundings, the college naturally devotes much of its time and attention to training boys and girls of the section to take their places in the fast-growing industrial machine. Greatest emphasis in recent years has been in the new field of two-year courses to prepare young men and women to step into good jobs as industrial workers, technicians, commercial artists, secretaries, and the like. These courses, for want of a better name, are called "terminal" courses, since they are designed for young men and women who want two years of college training and do not expect to go on to some senior college for more advanced work.

Since it is an established fact that a large percentage of the boys and girls who enter college never take more than two years of work, many not wanting



A Llano County ranch boy turned educator is President E. H. Hereford of Arlington State College. He taught in the public schools in his home town, was a professor at his alma mater, Southwestern University, and established and was first president of Corpus Christi Junior College before coming to Arlington in 1942. He has been president of the state's largest junior college since 1948.

more in preparation for the jobs they have picked and others not being able to afford four years in college, the designing of complete two-year courses to fit the needs of these youngsters better than half of a four-year curriculum has been a natural development. This is a comparatively new field, and one in which Arlington State College has pioneered.

Complete two-year courses, combining practical training with an educational background in English, American history, government and a survey of the arts and sciences, are offered in agriculture, arts and sciences, accounting, secretarial training, merchandising, aviation maintenance, aviation sales and management, industrial baking, industrial electrical engineering, electrical sales and service, fashion arts, commercial art, radio and television production and home economics. This year new two-year courses have been added in applied civil engineering, industrial welding, design and crafts.

Each of these courses has been planned after consultation with business and industrial leaders in the field and is operated with the advice and supervision of committees of such leaders who keep in close touch with the work. Graduates have been in great demand, trained as they are to meet the specifications of prospective employers, and a genuine service is being rendered industry of the area.

In addition to the two-year courses and the regular program for students who plan later to attend senior colleges, Arlington State cooperates with industry in its area by offering short training programs for their employees or prospective employees when the need arises. For example, when television came to Dallas and Fort Worth there were no local operators with television licenses. Arlington State College offered special courses in electronics which enabled operators to pass the FCC examinations in a hurry. Much training has been done for workers in the aircraft industry and some for the United States Air Force in the area. In addition, graduate work for industrial people in need of advanced training has been provided on the Arlington campus under the supervision of A. & M. College's graduate school. For the past two years the school has also offered night courses for adults who could not attend special day-time classes. These have been largely in the fields of business administration and engineering and have been well attended.

Development of close ties with industrial and agricultural groups of its area has brought an increasing number of conferences, meetings and short courses for special adult groups to the campus during the past year. Outstanding examples were the visit of 400 members of the Texas Bakers Association, the organization of a Fort Worth-Dallas chapter of Industrial Engineers with headquarters at the college, a series of lecture meetings on the campus of members of the American Society of Metals for the area, a meeting of the North Central Texas Water Works and Sewage Association and the organization of a Bakery Production Engineers club at the college. The college's first annual engineering show, this year, drew more than 3,000 visitors. In the agricultural field there were such meetings as the FFA

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While it is located in the heart of Texas' most intensive concentration of heavy industry and devotes much of its efforts to training young men and women for industrial jobs, Arlington State still has a strong agricultural program, with particular emphasis on dairying, which is growing to meet the needs of the area's growing population.

One of the most complete machine shop training centers in the country, a section of which is shown here, is the pride of Arlington's Engineering establishment. In two-year courses young men are trained for positions of responsibility in industry.

Draftsmen, field men, and future contractors are the products of civil engineering two-year courses at which Prof. Roy Burdett and a group of students are shown working. Courses have been planned in consultation with business and industrial leaders of the state to meet their more pressing manpower needs.

Supplying trained men for utility concerns, rural electrification projects and builders in the industrial areas is one of the major fields of activity in Arlington's two-year engineering work. Still other graduates go on to complete four-year courses in electrical engineering at senior colleges.

Fashion centers of Dallas and Fort Worth have been spanning up as fast as they graduate the students trained in fashion arts at Arlington State. Here a group of students study dress design, while in the background may be seen some of the classroom projects in fashion advertising, another popular field of study.



Tarleton State College

A College of the A. & M. System Serving a Rich Agricultural Area

Pride of the Tarleton campus is the new \$375,000 Agriculture building, providing the latest facilities for work in the school's most important field of study. The building was first used in the current school session.

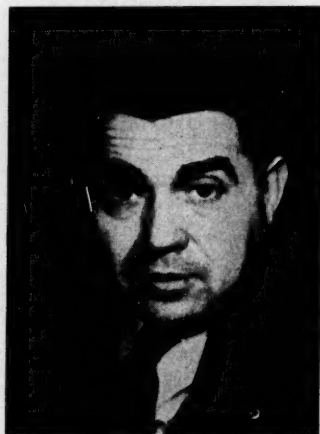
Popular with Tarleton coeds is the new gymnasium and indoor swimming pool for women, completed early this year as a part of the campus renovation and improvement program under the System building plan.

Modern dairy barns were included in the recent building program at Tarleton State College. Prof. W. W. Reed is here working with Dairy Husbandry students and a part of the college herd in front of this new layout.

Learning the pitfalls and shortcuts of that important family job of food shopping is one of the many down-to-earth class projects of the two-year home-making course at Tarleton State College.

AN orphan boy chopping wood in the hills of Tennessee for two bits a cord in the early 1800's laid the first foundations for one of Texas' early fortunes. When he died, in 1895, one of the wealthy ranchers of Central Texas, he left a good part of that fortune to establish a school at Stephenville, Erath County, Texas, for the education of boys and girls of that area. That school for many years bore his full name, as John Tarleton College. Today it is known as Tarleton State College.

From wood chopping, the orphaned Tarleton turned early to a job as a clerk in a store at Knoxville, Tennessee. He stayed with this job 41 years, living on frying pan fare in the back of the store and putting his money into government land certificates which had been issued to soldiers as bounties and could be bought at ten cents an acre. When he had collected a sizeable holding in Texas certificates, John Tarleton quit his job in the store and, dressed as a tramp, walked from Knoxville to Waco. He arrived in Waco in 1865, only to learn that his land, which was in Erath and Palo Pinto Counties, was unsettled except for roving bands of Indians. He settled in Waco and opened a store, which he operated until 1880, when the country to the west seemed to be pretty well settled up. He then sold the store to go to Erath County and operate his ranch. This operation was so successful that when John Tarleton died in 1895, he possessed a sizeable fortune. This he left for the establishment of the Stephenville school.



Native of Central Texas (Waco), educated at A. and M. College and Baylor University, President E. J. Howell of Tarleton State College is thoroughly familiar with the problems of the area served by his school. A chemical engineer with a Master's degree in Economics, he received his administrative experience as registrar and commandant at Tarleton before becoming dean of the school in 1945 and president in 1948.

In 1899, the Tarleton ranch having been sold and the money applied to establishing a college, John Tarleton College opened with a faculty of four and what one member of that first faculty described as "a motley array of students varying in age from 10 to 50 years and of all degrees of intelligence and learning."

Like most private schools of the time, John Tarleton soon fell on hard days, financially, and was deeply in debt by 1917, when a movement was started to get the State of Texas to take it over. In order to make the school acceptable to the state, the citizens of Stephenville raised some \$165,000 to pay off its debts, enlarge the campus and provide a \$75,000 student loan fund. The state accepted the college and placed it under the supervision of the board of directors of A. & M. College.

When John Tarleton College came into the A. & M. family in 1917 it was an easy and natural step resulting in the strengthening of both this institution and the A. & M. College, of which it became a branch. This was true because John Tarleton had been created on the basis of the same sound philosophy, serving the same great purpose as had been back of the founding of A. & M. College and the other related institutions which now form the Texas A. & M. College System.

This philosophy is the native American belief that education should be attainable for all of the boys and girls who sincerely want it and are mentally equipped to acquire it, regardless of their so-called "station in life," which can be more practically expressed in terms of papa's bankroll. It holds also that education can be utilitarian, as well as cultural; it can prepare a man to make a better living, as well as enable him to better enjoy that living. This is the educational philosophy of the entire A. & M. family.

In the years it became a state institution the college has grown steadily. The campus of 40 acres has been increased to 96 and the college has acquired two farms totaling 725 acres. The original student loan fund of \$75,000 has grown to \$165,000.

Tarleton State College, as it was renamed when the A. & M. System was created, now offers two years of high school work and two years of college training. It is co-educational, has military training for its boys, and places its greatest emphasis on the agricultural and homemaking work which is of major importance to its area.

Most recent development in the Tarleton story is the launching of new two-year courses for farm boys and girls designed to train them for rural leadership and give them a down-to-earth education in practical farming. Started two years ago, these courses are proving their value and have attracted wide and favorable comment as the answer to a definite need in Texas.

Particularly to the point are the comments of students themselves. They say it works. James Martin, for example, was one of the 26 students in the first class in this course. He made his new "know-how" pay off while he was learning. He and his young wife, Margaret, lived on and managed a 700-acre place at Morgan Mill and drove 40 miles daily to classes. At night, with their 58 Hereford cattle and 350 White Leghorn hens they put into practice what they had

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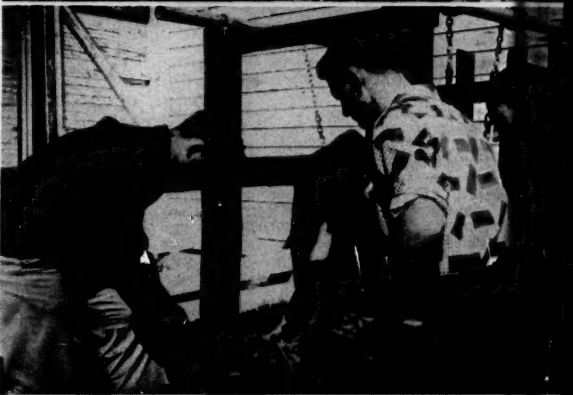
For boys who plan to farm and ranch in Texas, animal husbandry is one of Tarleton's most popular courses. Here a group of students study two leading Texas breeds under the guidance of Prof. W. W. Reed.



With the coming of the machine age in agriculture, Texas boys need more and more to become familiar with the machines which increase their capacity to farm profitably with a minimum of manpower. Here a group of students study the workings of a cutaway model tractor under the supervision of Prof. J. W. Autrey.



Actual experience in the handling of livestock is a part of the practical training given farm boys who take the new two-year Rural Leadership program at Tarleton State College. This practical experience is combined with sufficient technical information and liberal education to fit youngsters for positions of leadership in their rural communities.



The things a farmer has to know! Instructor Gordon H. Smith shows a group of agricultural engineering students the tricks of soldering which they will need many times on their own farms. Farm shop classes include blacksmithing and woodwork as well as thorough grounding in mechanics.



Walter Britten

**A Texas A. and M. Graduate Who Has Made Good
As a Livestock Auctioneer**

WALTER S. BRITTEN, who began selling 4-H Club and FFA sales while a student at Texas A. & M. College, is now one of the most successful auctioneers in the business.

Britten has built his business from a mere existence when he graduated from A. & M. some 12 years ago to his present activity of selling 150 sales a year, the

He did much feeding while a 4-H Club boy and was successful in showing his beef calves at numerous shows. He was elected state president of the 4-H Club organization and held that position for two years.

Britten says that during the time he served as state club president he had an opportunity to meet many people from all over the country and this association in the past has paid dividends because these same people now help him get along in the auctioneering business. He made many speeches while 4-H president and became acquainted with many other 4-H Club boys who are now in the cattle business.

While Britten was traveling over the state he attracted the eye of the late Earl Gartin, one of the top auctioneers in the country. Gartin was convinced that Britten would make a good auctioneer and advised him to attend an auctioneering school before starting college. Britten took the advice and attend-

ed the school during the summer after he graduated from high school and got "vaccinated," as he says, to the profession.

Actually Britten had his first "taste" of selling by auctioneering at pie sales while in high school. Then the school for auctioneers Gartin suggested he attend convinced him that he should choose auctioneering for a profession.

When Britten was a "fish" at A. & M. he was given his first chance to "sell a sale" and be paid for his work. Although he had his troubles convincing upperclassmen that he should make the trip, Britten accepted the invitation of agriculture teacher Lloyd Henderson of Schulenburg to sell his FFA sale for \$40. His next chance came when Hubert Martin, then agriculture teacher at Belton, offered the "fish" auctioneer a fee to sell animals being offered by his FFA boys. Britten paid the greater portion of his school expenses by auctioneering his way through college.

Britten said he decided to go to A. & M. because he was impressed with the school when he attended short courses there and had an opportunity to meet many of the school officials. He won a scholarship offered by the Progressive

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Walter Britten

majority of which are purebred cattle sales involving many thousands of dollars.

Britten was graduated from A. & M. College in 1939 with a degree in agricultural economics. His rise in the auctioneering business since his graduation has been slow and steady. He got his first start in big-time selling when he sold the steers at the Houston Fat Stock Show in 1942. He had sold chickens two years at the show before he got the steer sale. He has sold the steers, and other livestock and poultry every year since 1942.

Britten was born at Groom, Texas, in Carson County, 34 years ago. He grew up on a farm where he helped his dad raise wheat, grain sorghums and cattle. His parents, Mr. and Mrs. Mike Britten, still live on the farm in Carson County. Britten, his wife, Pearl, and seven year old son, Dick, make their home at College Station, Texas.

The Brittens have a large home between Bryan and College Station, which is only a few miles from A. & M. College. Many of the students who know Britten make his place headquarters and invite their girl friends there for weekends. Britten says he has from three to eight girls each weekend and the house is usually crowded with cadets from the college.

While attending Groom High School, Britten was very active in 4-H Club work, which he claims laid the format for his eventual entry in the auctioneering profession.

G. R. White

**A Texas A. and M. Graduate Who Has Been a Member
of Its Board of Directors Since 1926 and
President Since 1944**

AMONG graduates of Texas A. & M. College who have donated time and effort to build a better A. & M., G. R. White of Brady is an outstanding example of a man who has contributed long and distinguished service to the college.

White is now president of the board of directors of the A. & M. College System, a position which he has held since

1944. He joined the board in 1926 and served as a director until he was elected president.

In a pamphlet published by the college White is described as "a man who has given long and distinguished service invaluable to A. & M. His earnest efforts have been a major factor in the sound development of the college."

White was born near Lockhart, Texas, and moved to Brady with his parents as a small child in 1876. His father, W. B. White, rode horseback to Lockhart from Missouri after the Civil War and then moved to McCulloch County.

White graduated from A. & M. in 1895 with a degree in civil engineering. He then went to New York where he took a business course. He married Victoria Bingham of Evansville, Ind., in 1903.

After returning to Brady from school White took up ranching in McCulloch County and has been a rancher ever since. He is president of the Commercial National Bank of Brady and has been since it was organized 44 years ago. His ranching operations are big. There have been times in the past when he and his partners have handled as many as 25,000 to 30,000 cattle (mostly steers), 50,000 to 75,000 sheep and 20,000 to 25,000 head of goats on ranches in McCulloch County and other parts of Texas.

White is also an honorary vice-president of the Texas and Southwestern Cattle Raisers Association. He has served on its board of directors for more than 30 years and has been a member of the Association for more than 50 years.



G. R. White, president of Board of Directors, Texas A. & M. College System.

Jack Turner

Secretary of the American Hereford Association is a
Texas A. and M. Graduate

IF readers of The Cattleman were to designate an individual as a cattleman's cattleman, chances are that one of the first names to come to mind would be a Texas A. & M. graduate who today directs headquarters operations for more than 80,000 purebred Hereford breeders over the nation.

He is Jack Turner, class of 1926, secretary of the American Hereford Association in Kansas City, who has extended an outstanding record as a 4-H Club member into an impressive series of successes as ranch manager, purebred breeder and leader of America's great Hereford fraternity.

When Jack Turner returned to England last summer to represent the Association at the World Hereford Conference, the trip refreshed many memories of a great experience some years back. A trip to the English Royal was the reward for Jack Turner and his 4-H Club colleagues for winning the national judging contest at the grand finals in Atlanta, Ga., in 1920.

A native of Hillsboro, Texas—where his mother still resides—Jack Turner made another outstanding record as a member of the college livestock judging teams during his days at Texas A. & M. His first job after graduation was with Harrisdale Farms of Fort Worth. Later he became livestock specialist for the Missouri Pacific Lines of Texas.

It was in 1933 that Jack Turner as-

sumed management of Silver Creek Farms, Fort Worth, for the Ellison Estates. During the following nine years, he carried the herd to a place among the top Hereford establishments of the nation. After the herd was dispersed in 1942, Jack Turner leased the ranch and



Jack Turner

started his own Silver Crest Herefords, which he built into one of the nation's leading herds. He won many coveted championships at major shows and was in demand as a judge of leading shows. He dispersed his herd in June, 1946, placed the Hereford breed above his own personal ambitions, and became secretary of the American Hereford Association in September, 1946.

Purebred Hereford registrations—one of the most accurate criterion of breed progress—have climbed continuously under Jack Turner's guidance as secretary. Registrations in 1946 totaled 336,193. Registrations during the last fiscal year soared to 506,061, a new world record for a registry association and nearly two and a half times greater than registrations of other major beef breeds combined.

Jack Turner acts and thinks with a methodical and deliberate ease. He has a knack of figuring things out with a dull pencil on a rough board before he writes his final conclusions with a sharp pencil on bond paper. Without the least provocation, he can pluck a salty metaphor out of the thin air and make his point in no uncertain terms.

He likes to tell the story about the owner of a Texas Hereford ranch. The boss was riding through the pastures one afternoon and he met a couple of colored hired hands who had let their fence repairing job rest and had settled themselves in a nice shady spot under a tree. The boss rode up to them and asked what they were doing. They assured him they were working. "Well," said the boss, "how about moving over and let me work with you?"

When he's called upon to speak to a crowd, he often reminds them that he

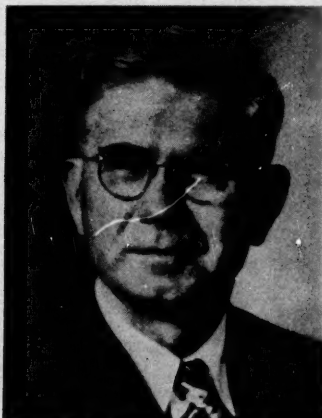
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Kenneth J. Edwards



D. T. Killough



H. P. Smith

Adviser to the King, Kenneth J. Edwards, 1920 graduate of A. & M. College and long-time Texas county agent, wears native dress in his role as agricultural adviser to King Ibn Saud of Saudi Arabia. Sent to this oil-rich desert country in 1946 by Aramco, an all-American oil company holding concessions from the King, the Texan established a modern county agent system, revamped and revitalized the agriculture of this ancient land. He left Aramco in 1949 to become special agricultural adviser to King Ibn Saud and spent another year at this post before returning to Texas. He now lives at Hillsboro. Of the many A. & M. staff members who have gone to far corners of the world during the past few years to help with agricultural problems of other countries, two were D. T. Killough of the Agronomy department and H. P. Smith of the Agricultural Engineering department. The pair of veteran professors spent a year in Turkey on a mission of the Economic Cooperative Administration to help in the development of new long-range agricultural programs in that country. Killough served as consultant on cotton culture and production and Smith helped with the introduction of modern farm machinery.

Texas A. & M. System Has Five Service Agencies

"Ag-1" the first airplane designed for agricultural use, makes a run over the testing ground designed at A. & M. College to determine quickly just how many pounds of dust or spray per acre is deposited in a given operation. This is part of the continuing research for developing efficient use of the airplane in dusting, spraying, seeding and fertilizing conducted by the A. & M. System.

Oldest and best-known of the training services of the Engineering Extension Service is the annual Firemen's Training Course held each summer on the A. & M. Campus. Field work carries this training into every Texas town. Last year 3,829 firemen in 365 towns were given training on the job, in addition to the hundreds who attended the summer short course.

An overhead sprinkling system, well-fertilized sawdust-treated ground and all other tricks of the trade are used at the Indian Mound nursery of the Texas Forest Service near Alto to raise some 20,000,000 pine seedlings each year for Texas reforestation.

Development of combine-type grain sorghums by plant breeders of the Agricultural Experiment Station under the leadership of Bob Karper and Roy Quinby has furnished Texas with a new major crop and source of feed in areas.

Switching from telephone to radio communication between its watch towers and fire fighting forces, just being completed by the Texas Forest Service, has added greatly to the efficiency of its fire protection of East Texas forests.

WHILE the four colleges of the Texas A. & M. System serve the future by the education of some 13,000 boys and girls each year, its five statewide service agencies do their work for the Texas of today and carry that work directly to the farms and ranches and into the homes and industrial plants of the state. The Agricultural Experiment Station and Engineering Extension Service study the problems of agriculture and industry, constantly seeking new answers, new methods and new discoveries which will increase production and profit. The Agricultural Extension Service and Engineering Extension Service are actually informal teaching agencies, which take the results of research and the latest scientific developments into the field and demonstrate their use. The Texas Forest Service combines research, extension and protection for the forest resources which are a major asset of the eastern third of Texas.

The Agricultural Experiment Station, with its headquarters at College Station, carries on research in agriculture at 22 substations, 10 field laboratories and 14 cooperative stations scattered throughout the state. The substations, numbered 1 through 23 (with, for reasons no one has chosen to explain, no No. 13) are so located as to give each general soil and climate area of the state a research center for its own peculiar problems. The field laboratories are devoted to specific phases or crops, such as the apiculture laboratory at College Station and the sweet potato laboratory at Gilmer. The cooperative projects are largely specialized units operated jointly with other state or national institutions. These scattered experimental holdings range in size from the five-acre horticultural field laboratory near Hearne to the whopping 17,483-acre Bluebonnet Farm just outside McGregor.

In recent years an even more promising development has been the start of outlying research projects, using privately owned land to conduct experiments right on the farm and ranch where they can be watched from day to day. In this manner a much wider variety of soils and conditions are available and the answers are demonstrated for the people who will use them.

Outstanding A. & M. research results which have gone into use in recent years have included the development of combine-type grain sorghums, almost completely "tailored" to the various climates and soils of Texas and to the uses for which they are needed. Starting during World War II, this development has given Texas a new major crop, a rich source of livestock feed in many areas where corn cannot be grown successfully and has furnished the basis for a multi-million dollar industrial setup in the Corpus Christi area. This work was pioneered at the Lubbock and Chilledco substations and has been spread over the state. The plant breeding work of Edgar McFadden at College Station and of other scientists at Denton and on the high plains substations have revolutionized the wheat, oats and barley production of the state. McFadden's Austin



wheat, a rust-proof variety suited to Central Texas, is now planted on more than a million acres. His comparatively new Seabreeze wheat is providing pastures and grain along the Gulf Coast.

During the past year the killing of mesquite and other noxious brush by chemical sprays from planes has made possible the restoration of thousands of acres of Texas ranges. Pioneered at the Spur substation by Dr. Charles Fisher and others, the 2,4,5-T sprays for mesquite were applied to half a million Texas acres last year by commercial sprayers and it is expected that a million acres will be sprayed this month. Development of sprays for whitebrush and other brush which is choking out the grasses on South Texas ranges is now advanced to the point where ranch-scale tests are being made.

Improvement of the ration of poultry and livestock by the addition of antibiotics, based on a discovery by A. & M. scientists at College Station and Gonzales was credited with millions of dollars of new profit for Texas poultrymen this year. Poultrymen who formerly considered a two-pound bird at 10 weeks a satisfactory result in broiler production are now producing a three and one-fourth pound bird in the same period at a lower cost for feed and practically eliminating runts and many of their losses. These improved rations are already in use for chickens and turkeys and similar developments are being made in improved livestock feeds.

Lee C. Coffee, a former county agent, was selected early last year to head up the work of developing foundation seed stocks for new strains and hybrids produced by the station and the work was organized on a statewide basis. A new barley, Goliad, developed by Edgar McFadden, was increased at the Beeville station and distributed in South Texas. It furnishes good winter grazing and is resistant to four of the most common diseases attacking barley in that area.

Seed growers and farmers received for fall planting in 1950 3,900 bushels of Quanah wheat, a new high quality rust resistant grain, and 6,000 bushels of Mustang oats, another improved strain produced by the station.

Foundation seed stock of the new "Rio Sweet" cantaloupe developed at the Weslaco station was distributed. It is resistant to downy mildew and is superior in color and quality. A new early peach, the Dixired, of superior size and color, was favorably received in the area around the Montague station, selling faster at 19c a pound than other common early varieties at half that price.

Two onion hybrids developed at the Winter Haven station yielded from 26 per cent to 45 per cent more than their top parent and one gave a yield of 70 per cent more than the yellow bermuda commonly used in that area. The hybrid onion, after 25 years of development by plant breeders, is now moving into the commercial field, promising greater yield, earlier maturity and greater uniformity.

Comprehensive tests have been conducted with Texas 30, the most promising new corn hybrid developed by the station so far. Seed were available to farmers for planting in 1952. It produces somewhat larger ears and larger grains than previous hybrids, is fairly early to

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Science steps in to eliminate one of the sheepman's more trying chores and cut losses from worms by the breeding of a "bob-tail" sheep. The lamb at left has a normal tail, which will have to be shortened by the rancher, while the lamb at the right was born with a tail short enough to clear his hocks. Part of the sheep research work at huge Bluebonnet farm, this project has produced sheep and goats with good fleece and short tails.

Largest agricultural center in the nation, by all odds, is the 17,483-acre Bluebonnet Farm substation of the Agricultural Experiment Station. A former ordnance plant, Bluebonnet Farm gives the A. & M. System room for full-scale farm and ranch research, crop and livestock studies and demonstration.

More than a million acres of Texas mesquite is expected to be killed this month by sprays of 2,4,5-T from airplanes, using a method developed by the Texas Agricultural Experiment Station workers at Spur and other substations. The kill, as shown above, is usually good, when the spray is applied in May.

Teaching farm and ranch girls and their mothers how to make attractive and durable clothing at home was one of the weapons against inflation developed by the Agricultural Extension Service.

While much research and extension work has been done on the products of the soil it was only in recent years that the soil itself was made the subject of intensive study. In its soil testing laboratory at College Station, the Agricultural Extension Service now runs thousands of tests for Texas farmers and ranchers at \$1 a sample.



Screw-Worm Control

By R. C. BUSHLAND, Entomologist, Bureau of Entomology and Plant Quarantine, Agricultural Research Administration, U. S. Department of Agriculture

NOT all maggots that infest wounds in cattle are screw-worms. A number of flies that breed in carrion also lay eggs, or in one special group, deposit already hatched maggots in wounds. But these carcass breeders ordinarily are found in old, pussy, infected wounds, whereas the screw-worms attack living tissue. All the screw-worm needs to get started is a break in the skin which may be caused in various ways.

The navel of a new-born calf is a favorite spot for the screw-worm fly to

its body, and when it needs a breath of fresh air it backs up far enough so that the tube openings (called spiracles) are above the fluid in the wound.

The maggots feed as a colony and develop rapidly, becoming full grown in about six days. In that time the progeny of one fly have eaten a hole as big as a lemon and each maggot has grown to a length of a little more than one-half inch. After the maggots have been in a wound for two or three days, it is easily recognized as a screw-worm wound because of the profuse brownish-red, bloody liquid that drains out of the wound and stains the hair below it. The characteristic odor also serves to distinguish screw-worm infestations. An infested wound almost always attracts other flies to oviposit; so freshly laid white egg masses on the margins of the wound also warn the cattleman that he has screw-worms to contend with.

There is one more sure way to identify a screw-worm case. Figure 2 is a magnified picture of a full-grown screw-worm. At the left is the pointed head with its mouth hooks. Notice the rows of spines that surround the body, giving it the screw-like appearance from which it derives its name. The head and spines are not greatly different from those of carrion-feeding maggots, but two other features are distinguishing. Notice at

up its body and the skin hardens into a pupal case which surrounds the insect. At first the case is a pale brown color, but in a few hours it turns dark brown. Figure 3 is a picture of the screw-worm in the pupal stage, in which it changes over to a fly. In very hot weather this change takes place in about a week, but in cooler weather the pupal stage may last as long as 12 weeks, but usually much less time. The pupae cannot stand prolonged exposure to cold weather and in northern areas even the pupae in the ground are killed by cold.

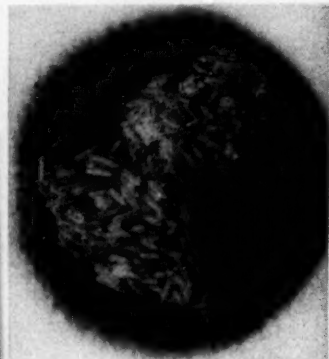


Figure 1. Three masses of screw-worm eggs.

lay eggs. It also likes castration wounds, brands, cuts, pink-eye cases, scratches, and will even hunt out such small wounds as fly and tick bites to lay her eggs.

The screw-worm fly lays tiny, white eggs in shingle-like masses, usually about 200 at a time. Figure 1 shows three egg masses laid by three flies that selected the same spot on which to oviposit. No other wound-seeking fly arranges her eggs so carefully or lays such white eggs. Ordinary blow fly eggs are yellowish and just piled in a heap. If you see pure-



Figure 2. A full-grown screw-worm maggot.

white, shingle-like eggs laid in flat masses on the edge of a wound, it is a sure sign that screw-worms are after your cattle. The speed of hatching depends on how warm the weather is, but usually the eggs hatch in 12 to 24 hours. The little maggots are covered with dark-colored spines, which can be seen through the egg shell just before the eggs hatch, making them look gray.

The little maggots immediately start feeding on the live tissues of the wound. Each stands on its head and rasps at the flesh with its mouth hooks. The spines that cover its body keep it from slipping out of the wound. Two air tubes (called tracheae) open at the rear end of



Figure 3. A screw-worm pupa.

the tail end that the two breathing tubes are so dark that they show up as two black lines through the almost transparent skin. The screw-worm is the only maggot you will find that has those heavily pigmented tracheal trunks showing as a pair of dark, straight lines.

Another feature that does not show in the picture is the color of the grown screw-worm. Maggots that breed in carcasses are whitish, yellow, or grayish, but the screw-worms have a pinkish color when they are about through feeding and ready to leave the wound. The pink color and straight, dark air tubes are a sure combination to identify a grown screw-worm. The pair of straight air tubes show up even in the younger maggots before the pink color develops.

The pink maggot crawls out of the wound and falls to the ground, where it quickly burrows into the soil. It shrinks

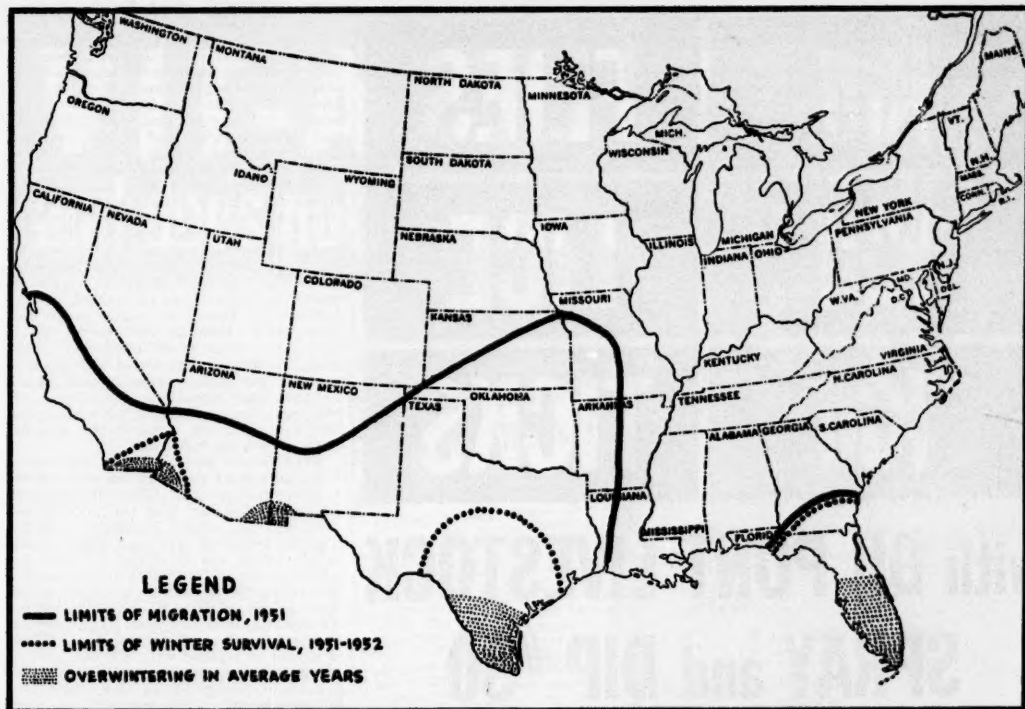


Figure 4. A female screw-worm fly.

The fly breaks open the pupal case underneath the ground and wiggles up through the soil to the surface, where it climbs up on a blade of grass, weed, or twig and stretches out and dries its wings. Within an hour it is able to fly away.

Figure 4 is an enlarged picture of a female screw-worm fly. There is nothing particular about its appearance that distinguishes it from an ordinary blow fly. It is bluish in color and looks very much like the secondary screw-worm fly which breeds in carcasses and causes summer fleeceworm cases. Only expert entomologists can readily identify the screw-worm fly, and sometimes they need a microscope to be sure. The screw-worm fly does not lay eggs as soon as it comes out of the ground. When the insects are two or three days old they mate, but the female is not ready to lay eggs until she is six days old, and in cool weather more time than that is required for her to develop her eggs. After laying her first batch of eggs, the female is capable of developing still more egg masses and ovipositing for two or three more weeks, when she dies of old age.

Screw-worms are not true natives of temperate America. They live the year around in the warm parts of South America, Central America, Mexico, and in the United States only in areas ad-



Screw-worm areas in the United States, 1951-1952.

joining Mexico and in Florida. In mild winters they may live farther north, and in extremely cold winters they are crowded down to the southernmost margins of the country. In the summertime when temperatures are favorable they spread northward under their own wing power at the rate of about 35 miles per week; so southern cattlemen are well acquainted with them.

Sometimes, through shipment of infested livestock, screw-worms are accidentally introduced into areas far north of their ordinary summer migrations. In Iowa, Illinois, South Dakota, Indiana, and New Jersey they have appeared unexpectedly and have done tremendous damage before the native cattlemen in those areas learned to recognize and control them. Therefore, it is very important for every rancher in the more northern states to be able to recognize a screw-worm case and notify his local agricultural officials immediately if he finds one. Three years ago screw-worms got started near Pierre, South Dakota, and did tremendous damage that summer because they were new to the area. Last year cattle infested with screw-worms were shipped into the same town, but the infestation was recognized right away and local authorities wiped it out before it ever got started.

Recalling the life cycle makes it clear why even one overlooked screw-worm case can cause an outbreak. Suppose that a cow gets scratched in loading for shipment from a screw-worm area to a northern state. On that scratch one fly can lay 200 eggs which might not be noticed,

and they hatch in about a day. During the first two days after hatching the maggots don't make a very big wound. Suppose that during this time the infested cow arrives at its destination and the little worm case isn't noticed when she is turned out to pasture. In three more days the worms start dropping from the wound and crawl into the ground. After eight days in the ground 100 male flies and 100 female flies come out of the ground. After two days they mate, and three or four days after mating there is the possibility that those 100 females can start 100 new screw-worm cases. All this increase takes place in just three weeks. In another three weeks the offspring of that first generation could start 100 times 100, or 10,000 cases. In another three weeks there is the mathematical possibility of 1,000,000 cases, just two months after the one unnoticed worm case was turned out to pasture.

Of course, the rate of increase doesn't equal the mathematical possibilities. Such insects as ants eat many of the maggots, pupae, and even the flies when they first come out of the ground and are not yet able to fly. Spiders and birds catch some of the flies. Unfavorable weather kills some of the adults before they are old enough to lay eggs. After the eggs are ready for laying the fly must first find a wounded animal. But the possibilities for screw-worm build-up are tremendous and emphasize the importance of the stockman recognizing,

treating, and preventing screw-worm cases.

We cannot tell for sure what the screw-worm situation will be this summer. Because of the mild winter the insects survived much farther north in Texas than usual. North Texas and Oklahoma ranchers can look for screw-worms to bother them earlier this year. The Bureau of Entomology and Plant Quarantine conducts an annual screw-worm survey. C. L. Smith, H. M. Brundrett, and W. D. New study screw-worm conditions in the western states, and A. L. Smith and C. C. Skipper keep track of screw-worms in the Southeast.

On the accompanying map the top heavy line shows how far north screw-worm cases were found in the United States during the summer and fall of 1951. The broken line marks the limit of overwintering in 1951-52. The shaded areas are those in which screw-worms usually survive the winter.

Since the end of World War II the Bureau's laboratory at Kerrville, Texas, has worked on development of wound treatments to utilize the new chlorinated hydrocarbon insecticides, of which DDT is the most famous example. Kerrville research workers, led by G. W. Eddy, found that DDT was not such a good screw-worm killer as they had hoped, but a newer chemical called lindane was outstanding. They found that 3 percent of lindane dissolved in 35 percent of pine oil with thickening and penetrating agents added made an outstanding wound treatment. The new medicine was

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Kill

LICE

Kill

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LONG-LASTING—Killing action lasts for weeks, gives you real economy.

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*For dairy buildings use Du Pont Dairy Barn Insecticide; for dairy cows use Du Pont Dairy Cattle Spray. These products contain methoxychlor, no DDT.

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BETTER THINGS FOR BETTER LIVING
... THROUGH CHEMISTRY

called EQ-335 to stand for the 3 percent of lindane and 35 percent of pine oil. This new treatment was recommended to the insecticides industry late in 1950 in plenty of time for manufacturers of veterinary products to make and distribute it for the 1951 screw-worm season. Our experimental work indicated, and stockmen who used it last summer confirmed, that using EQ-335 makes screw-worm control easier and better.

EQ-335 is applied just like the old smear 62, with a small paint brush to pack the wound full of the medicine and daub a little around the edge. The old smear 62 had to be applied twice a week. The new EQ-335 is longer lasting, and it will protect most wounds if applied once a week until they are healed. Really bad wounds should be treated twice the first week, because during the first couple of days after treatment dead maggots and worm eaten tissues are sloughed out of the wound in such quantity that they sometimes carry most of the protective medicine along with them, but for ordinary screw-worm wounds once a week is sufficient.

EQ-335 has an advantage far more important than reducing the number of treatments required. This outstanding feature is the fact that the lindane deposit on the wound is deadly to flies. The old smear 62 and most other treatments killed the maggots, but had no effect on the adult flies that subsequently visited the wound to lay eggs or to feed on the exudate. Flies could light on a treated animal and then fly to another to start a new screw-worm case. When a wound is treated with EQ-335 once a week, it becomes a deadly fly trap. The treatment does not keep flies away, but all that crawl on the treated area soon die. We think that if all ranchers use a screw-worm remedy that has residual fly-killing properties, such as EQ-335, they will notice the benefits in reduced worm cases.

Female screw-worm flies especially like to come to wounds just to eat the blood and serum before they are ready to lay eggs. This is why we believe that by treating with EQ-335 ranchers will not only heal out existing cases more easily, but will also prevent many new cases.

Some of you may have read about new research the Bureau of Entomology and Plant Quarantine is doing with sterilized flies. Those experiments have no practical application for screw-worm control this summer, but are part of a long-term research project aimed at trying to eradicate screw-worms from the southeastern states. Screw-worms first became established in the Southeast in 1933, probably through shipment of infested livestock. They found the climate of southern Florida suitable for overwintering and each summer they spread north from there.

In laboratory experiments at Kerrville, we found that female screw-worms mate only once. Tests were conducted to determine whether screw-worm flies could be sterilized and to measure the effect of mixing populations of sterilized and normal flies. The experiments showed that screw-worms could be sterilized with either x-rays or gamma rays produced from radioactive cobalt, and that if a normal female fly mated first with a sterilized male she would not mate again and would lay only infertile eggs for the remainder of her life.

VIT-A-WAY has never and does not now contain BONE MEAL

Only VIT-A-WAY MINERAL-VITAMIN SUPPLEMENT offers you the improved BRILING and COATING process to protect against chemical reactions and oxidation of MINERALS and VITAMIN elements.

VIT-A-WAY supplies a masterly blend of MINERALS and VITAMINS to your animals in required amounts and highly available form . . . to help correct nutritional deficiencies and supply nutritional deficiencies.

VIT-A-WAY ELIMINATES THE NEED FOR BONE MEAL, MINERAL MIXTURES OR TRACE ELEMENTS

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ONLY A FEW OUNCES DAILY REQUIRED

Regardless of the feed you are using—always keep READY-MIXED VIT-A-WAY before your animals free-choice, in the trough . . . on the range or in the feed lot.

BALANCE YOUR FEEDS

(Regardless of what brand you use)

BALANCE YOUR GRASSES with VIT-A-WAY

With traces and amounts varying as widely as MINERALS and VITAMINS contained in feed VIT-A-WAY . . . THE AMAZING BALANCE

REPRINTED FROM
FORT WORTH STAR-TELEGRAM

Bone Meal Given Blame for Ohio's Anthrax Disease

COLUMBUS, Ohio, March 25 (P).—The State Health Department came up with proof Tuesday that anthrax disease which has killed hogs in 33 Ohio counties came from bone meal feed imported from Belgium.

With this proof—which resulted from laboratory tests—the State Health and Agriculture Departments hope soon to bring an end to the hog-killing epidemic. Bone meal, made from ground up animal skeletons, long has been suspected as the source; and the company which supplied it to Ohio farmers already has started recalling the feed.

The company said the 100-ton shipment from Belgium had arrived in New York Jan. 16 on the S. S. Hastings. The firm did not have the name of the Belgian dealer, but said the shipment was handled by Importer Wessel Duval of New York.

Anthrax has been confined mostly to hogs in Ohio, but has attacked cattle and hogs in other states, including Indiana, Illinois, Missouri and New Jersey.

ANTHRAX QUARANTINE IN NOLAN COUNTY ORDERED.

SWEETWATER, March 25 (P). Several farms northwest of here have been quarantined because of anthrax.

Inspector Ace Ellis of the Texas Sanitary Commission ordered the 21-day quarantine Monday.

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There's nothing like it
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KILL BRUSH

**Kill mesquite, oak and shinnery . . .
increase your range and profits!**

Stull's Brush Killers, 2,4-D and 2,4,5-T are effective and economical when applied either by hand, power or aerial spraying. Stull's patented and exclusive penetrating carrier-agent means root kill—therefore a complete kill—promoting grass growth.

STULL'S BRUSH KILLER

BEFORE

Mesquite and oak brush choked profitable grassland and prevented profitable range use.

AFTER

The fast killing action of Stull's Brush Killers turns waste brush range into profitable range in a matter of days.

*Photographs made on the Kallison ranch near San Antonio.

Write for complete details on control of brush with Stull's 2,4-D and 2,4,5-T Brush Killers.

STULL'S CHEMICALS Inc.

117 Humble Avenue

San Antonio, Texas

In tests with screw-worms in cages we found that, when we outnumbered normal insects by releasing greater numbers of sterile flies in the same cages, most of the normal females laid infertile eggs. Our organization is now conducting a small-scale field test on an island off the coast of Florida to see how the project works under natural conditions.

It is relatively easy to produce sterilized screw-worm flies. Any number can be reared in the laboratory using wash tubs containing a medium composed chiefly of hamburger meat and blood, which is kept at body temperature while the maggots are growing. The insects are sterilized in the pupal, or resting, stage. The pupae are merely poured into a suitable container and exposed to the sterilizing radiations. After the flies emerge from the pupal cases they act like normal flies in all respects except that they are infertile.

Many field experiments must be conducted before we can decide whether screw-worm eradication through release of sterilized flies would be practical. We think it might be, but only in Florida where there are not many screw-worms in the wintertime and where they are isolated from other screw-worm flies. We cannot plan on such a method for the western United States, because screw-worms overwinter at places all along the Mexican border from Texas to California and even down into South America. So western stockmen will have to depend on good animal husbandry and proper wound treatment for screw-worm control. Southeastern stockmen will have to follow the same procedures while more research is being done.

Mid-South National Hereford Show at Memphis Sept. 18-27

THE Mid-South National Hereford Show will highlight the livestock program of the forty-first annual exhibition of the Mid-South Fair and Livestock Show at Memphis, Tenn., September 18 through 27.

General plans for the first major Hereford Show on the fall circuit were announced recently following a meeting between representatives of the American Hereford Association and the Mid-South Fair at Memphis.

Premium money totaling \$10,000 will be supplied jointly by the co-sponsors of the event. Judging of the Herefords entered in the show has been tentatively set for Tuesday and Wednesday, September 23 and 24. Officials are now considering the possibility of holding a sale in connection with the show.

In making the announcement of the show, D. W. Dean, vice-president of the Mid-South Show in charge of livestock, said: "With the tremendous interest and progress being made in improved livestock over the Southeast, we believe that the National Hereford Show will serve as a great inspiration to the livestock industry of our area."

The national show at Memphis will be the first of four national Hereford shows to be held over the nation this year. Other shows include the Ak-Sar-Ben Fat Stock Show and Rodeo at Omaha, Neb., starting October 3; the Pacific International Hereford Show at Portland, Ore., starting October 4; and the Magic Empire National Hereford Show at Tulsa, Okla., November 3 through 6.



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TODAY IT
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EAGLE HITCH Farming

Here's a brilliant new way of doing your farm work—with Eagle Hitch now built into big 2-plow and 3-plow Case Tractors. In mere minutes you switch from mounted Break-Away Contour Plow to lift-type harrow or planter, from tool-bar tiller to mounted mower. You hustle along the highway and your Eagle Hitch Implements never touch the hard surface. You skip across sod strips or new seeding without your Eagle Hitch Harrow leaving so much as a scratch. You back into corners with a 4-section drag, shake trash from spring teeth at a touch of hydraulic control. You make short turns, quick stops with a gentle push on the new self-energizing double-disk brakes.

HOOK UP
SITTING DOWN



Eagle Hitch Farming is the sum total not only of a vastly superior way of mounting, driving and controlling implements, but also the fast-acting, shock-free steering—the dust-sealed, oil-cushioned clutch—the stamina, long life and low upkeep that have made Case Tractors famous. All these great qualities are now harmoniously built into the years-ahead Case Tractors for Eagle Hitch Farming. Visit your Case dealer now—see how Eagle Hitch Farming is fitted to farms of every size with the big 2-plow "SC" and 3-plow "DC" Case Tractors. You can swing this very day to such a satisfying, productive way of farming as you dared only dream of until now.



LIVE POWER TAKE-OFF

... lightens your work, helps save grain and feed, makes fuel go far and tractor last long. Now you can apply tractor power to wheels or PTO or both. You can keep your combine, forage harvester or other PTO machine going full speed, start and stop travel as desired. PTO clutch is on live-power shaft, independent of traction clutch.

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... another time-saving advantage of Case Eagle Hitch Farming... is ready to act at any instant, moving or standing, when the engine is running. Live Hydraulic Control works with both mounted and trailed implements. In Case "SC" and "DC" Tractors hydraulic control, power take-off, and traction are all independent of one another.

GET A PERSONAL DEMONSTRATION

After you've had a good close look at Case Eagle Hitch Tractors and Implements, arrange with your Case dealer for a personal demonstration on your own farm.

FIND OUT MORE ABOUT EAGLE HITCH FARMING

Case builds 25 great tractors and a full line of farm machines. Mark here or write in margin any you need. J. I. Case Co., Dept. E-43, Racine, Wis.

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★ BASED on USDA formula
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**LIQUID
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An amber clear non-
staining liquid that
drives screw-worms to
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Much more efficient
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AT YOUR DEALER

If he doesn't stock it, he can
quickly get it for you from —



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Phoenix, Arizona

Texas A. & M. College System

(Continued from page 20)

white boys and girls of their regions much of the program included in the first two years at College Station along with other special work considered applicable to their own areas. In the case of the Stephenville school, this included two years of high school work as well as the two year college courses. In 1942 the work of carrying engineering knowledge directly to the people in Texas industry, which had grown up naturally from the work of the Engineering Experiment Station, was organized into a new unit known as the Engineering Extension Service. Thus the family grew, each part created by the state to meet a specific need as it arose and each in turn placed under the supervision of the board of directors of A. and M. College.

In time this setup became unwieldy, with the president of A. and M. College being also the president of the school for Negroes and of the two junior branches as well as titular head of the five services which were generally labelled as "divisions" of the main college. With an assortment of activities running the gamut from poisoning prairie dogs on the High Plains to fighting forest fires in the piney woods, through the training of policemen and firemen to the use of radio-active isotopes in agricultural research, and with operations scattered from one end of the state to the other on substations, state forests and extension offices, the organization was more than one man could say grace over and still serve as president of the state's largest school for men.

Acting upon the suggestion of a committee of the legislature, the A. and M. board of directors in 1948 established the Texas A. and M. College System, creating the office of chancellor and defining the lines of authority and responsibility. This plan was adopted after many months of careful study and after investigating the strengths and weaknesses of similar systems which had been put into operation in other states. Each college and agency was given equal status as a part of the whole, so that the System became a group of affiliated services, members of a team applying their diverse talents in one general direction under the guidance of the chancellor. Each college was given its own president, each agency its own director. All operate under the administrative supervision of the chancellor, who is responsible to the board of directors.

In the four years since it was established the System idea has been well accepted and has proven to be sound. Two years ago the University of Texas, which operates medical, dental and mining branches over the state, adopted a very similar plan of organization.

Perhaps the chief value of the present organization to A. and M. is the fact that it is now possible to throw the resources and personnel of any or all parts of the System into the solution of any problem. Typical of the results which have been accomplished during the past year through such teamwork were the building and testing of the first airplane designed for agricultural use, in which both engineering and agricultural research organizations participated; further development of the solvent extraction of cottonseed oil by a combination of engineering, pure science and agricultural research; development of a program for combatting forest insect and disease epidemics by joint action of the

Forest Service, Agricultural Experiment Station and Agricultural Extension Service and a marked strengthening of the entire agricultural teaching program at Prairie View A. and M. College through an expansion of the agricultural research work at its substation of the Agricultural Experiment Station.

Just getting under way is another example of teamwork in which the A. and M. College, Agricultural Experiment Station, Agricultural Extension Service, Engineering Experiment Station, Engineering Extension Service and Texas Forest Service have been called upon by the chancellor to pool their resources for a concerted attack on the many problems of water supply and use in Texas.

This is an excellent example of the way in which established facilities of the far-flung System can be pulled into focus on a single major problem. Already the county agents of the Agricultural Extension Service are working in practically every Texas county with the problems of water in agriculture. In the Panhandle and in the Rio Grande Valley they are working with farmers who have long been using irrigation. In the coastal areas they are helping with problems of drainage, in other areas they are familiar with the problems of conserving the small amount of water that falls in order to make crops where crops once could not be grown. By pooling their information and experiences, these men have a wealth of information of a practical nature. They, too, can take to the farms and ranches in the far corners of the state the discoveries of research in this field and prove their effectiveness by demonstration on the ground. At the same time the Engineering Extension Service has a group of men who devote their time to training and helping the operators of municipal and industrial water systems. They are familiar with the problems of this group throughout the state and are in a position to put to use any new discoveries.

The Agricultural Experiment Station is already engaged in much research in the field of water conservation and use and has developed methods of making maximum use of the minimum water in many regions. They will continue these studies and initiate new ones on problems brought in from over the state. Engineering problems, which affect the supply and availability of underground and surface water can be studied by the Engineering Experiment Station, which has years of experience in this field. Specialists in the fields of geology, chemistry and other sciences affecting this major problem will come from the A. and M. College. The Forest Service, which is working in the great watersheds of the eastern third of the state will also play an important role.

Called together by the chancellor, the heads of these six organizations first are pooling their present facilities and information, then will suggest plans for developing a joint program to attack the water problem on many fronts. The work can be pulled together under a single head to establish a research and information center for Texas in the problems of water.

While the present water shortage has emphasized the problem, Chancellor Gilchrist has said that the long-range development of a research and information service in this field is even more important. The availability of an adequate water supply, he points out, definitely sets the ceiling on industrial and municipal growth in any part of Texas and at

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FARM
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PHONE 28-P-3

S. M. AND J. M. MARTIN
Registered Polled Hereford Cattle
Morgan, Texas

April 20, 1952

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Bewley Mills
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Dear sir:

We have been feeding your Bewley's Anchor Calf Ration to our calves for about five months and that has given us a chance to see a big difference.

We first became interested in your feeds after attending different shows and seeing so many cattle on your feeds. They all had such excellent bloom and finish.

The calves from our three herd bulls have done the best of any we've ever raised and they've all been fed Bewley's Anchor Calf Ration. The bloom and finish of these calves is the finest we ever had.

We also like the results we're getting on our older bull calves with your Bewley's Anchor Concentrate Chunkets, and our home grains. Your Bewley's Anchor Mineral certainly works fine with our herd too.

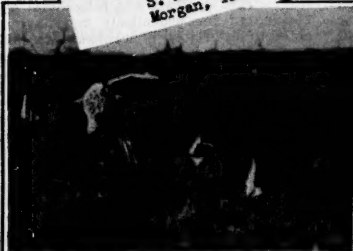
We hope you are down our way soon, since we would like to show you how well our cattle have come out on your feeds.

Sincerely,

J. M. Martin
J. M. Martin
S. M. & J. M. Martin
Morgan, Texas.



GMR Mischief Domino 33
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Morgan, Texas



SJMR Domestic Mischief 1st.
S. M. & J. M. Martin,
Morgan, Texas



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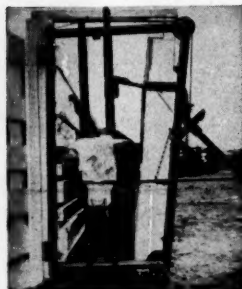
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COMPLETELY PORTABLE—Light weight, carry to any part of the range—tie into place, ready for work!

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STRONG - DURABLE—New, all-steel construction withstands even rough Brahma treatment!

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For Illustrated Bulletin Write:

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the same time is a strong factor in determining how far agricultural production can be increased to meet the needs of a growing population.

And that is the Texas A. and M. College System, an amazingly complex assortment of colleges and services devoted to a multitude of activities which in one way or another touches the lives of practically every Texan every day. Growing up over three quarters of a century around the original A. and M. College, it has quite recently been streamlined into a fast-moving, hard-hitting team. It has, however, few delusions of grandeur. In the conclusion of his latest annual report, Chancellor Gilchrist summed up a year of its work by saying:

"The System's progress this year has been along the same ragged line—its outposts pushing far ahead, its general mass moving steadily forward and its stragglers falling back—which is assumed by a company of soldiers in actual combat. There has been no marching forward in solid company front, as on the parade ground, because we have been engaged in actual combat, fighting drouth, insects and disease and adjusting to changing world conditions. Just as all progress is based on human struggle, whatever progress the System has made this year was the result of earnest effort on the part of the thousands of capable men and women who make up its faculties and staffs.

"This year was noteworthy in that it saw the public acceptance and use of outstanding contributions of our research workers in such widespread fields as poultry nutrition, public building design, range improvement and cottonseed processing. It was possible this year to point to definite results which have proven of public value. . . .

"At the same time, this year has been of importance as a period of self-examination for the System as a whole. We have reviewed carefully our origin and the functions assigned each part of the organization by legislative mandate. We have sought to set our course more directly into the channels intended by the people of this state and have carefully examined every operation to seek means of improving efficiency and cutting costs. As a result, we have finished the year with a somewhat smaller hard-hitting staff which we believe capable of delivering more results in research, teaching and extension for every dollar spent than at any time in our history."

Jack Turner

(Continued from page 31)

would feel much more at home if he could prop a foot on a corral fence or settle down on a bale of straw. He makes a point of classing himself as a hired man for an Association run by and for the purebred Hereford breeders in all the 48 states. And if you were to describe him in the least number of words, you would settle on intense modesty and affinity for hard work.

Although Kansas City is his headquarters, Jack Turner spends considerably more time traveling to important Hereford events over the country than in his office. He makes his home in Fort Worth where Mrs. Turner and their sons, Jack, Jr., and David, look forward to holiday seasons with more than the usual family interest.

The brand is the cattleman's coat of arms. Is yours recorded?

Walter Britten

(Continued from page 30)

Farmer magazine for being the outstanding 4-H Club boy in the state.

After graduating from college Britten went right into the auctioneering business on his own. He has never worked for anyone else besides himself and says that his first two years in the auctioneering business were a little short on the business side. He had, however, made contacts during his college days and managed to survive until he got to sell steers at the Houston sale. Since that time, Britten has been busy selling at some of the top sales in the country.

He has sold cattle in Texas, Louisiana, Oklahoma, New Mexico and in some 12 or 15 other states. Britten claims he is "a Texan and believes in Texas," and goes out of his way to help the 4-H and FFA boys get a good price for their projects. Britten likes to sell the club sales and travels many miles each year to lend a helping hand at these small sales.

Britten travels about 75,000 miles each year to sell his 150 sales. He has sold many million dollars worth of cattle, horses and other livestock. At one South Texas sale he sold 25 animals that brought nearly a quarter-million dollars.

Britten owns an interest in the National Auction Institute located at College Station. A two-week course in auctioneering is offered twice each year. Britten says the school serves more as a reunion for his auctioneer friends who help conduct the courses, rather than a business venture. According to Britten, there are no restrictions to become an auctioneer. No college degree or auctioneering school is required by law. "All you have to do is get the sales," Britten claims. There are lots of opportunities in auctioneering now, Britten thinks, because the South is becoming more auction minded.

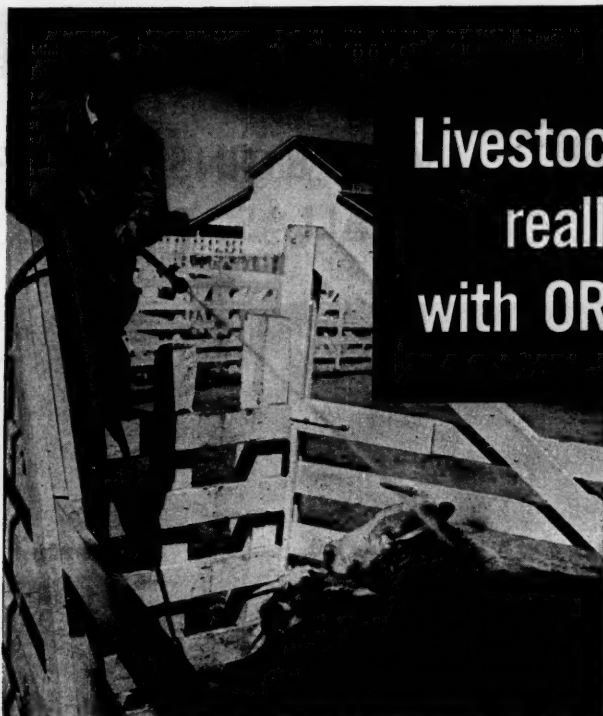
U. S. Proposes Regulations For Disease Affected Livestock

THE U. S. Department of Agriculture has announced proposed regulations governing the interstate movement of animals affected with brucellosis or paratuberculosis. The regulations are authorized by Public Law 238, approved October 30, 1952, and if adopted would be the first to apply specifically to livestock affected with these diseases.

The suggested controls would limit to destinations for slaughter the interstate shipment of animals which have not been vaccinated for brucellosis and have reacted to an official brucellosis test. Purebred animals, moved interstate for breeding purposes, which subsequently react to an official brucellosis test may be returned to the point of origin.

Animals which have reacted to an official test for paratuberculosis also may be shipped interstate only for purposes of slaughter, or if purebred, may be returned to the point of origin.

The regulations would require that reactor animals be plainly marked and that they be separated from healthy animals while in transit. Vehicles in which they are shipped must be cleaned and disinfected upon reaching the destination.



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WBR Larry Domino TT 12th, Lot 8



Larryetta Domino TT 3rd, Lot 146



Miss Silver Return, Lot 81

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AND

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Sale at 10:00 A.M.



WHR Symbol 46th, Lot 5



Larry Domino H 27th, Lot 1



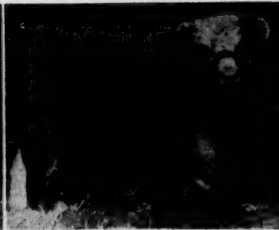
CL Duke Mixer, Lot 2



WBR Lady Larry 1st, Lot 46



Larryetta Domino TT 7th, Lot 145



WHR Miss Mixer 32nd, Lot 129



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Texas A. & M. College

(Continued from Page 23)

day of days for A. and M. men, there were Aggie Muster ceremonies throughout the hills of Korea and a big blow-out for Texas A. and M. men in Tokyo. These annual Aggie ceremonies have been held throughout the world in time of war, in Europe during World War I, in both the Atlantic and Pacific theatres in World War II. One of the most memorable was held by a doughty band of Texas boys on the beleaguered Rock, a few days before the fall of Corregidor.

Such military leaders as General Douglas MacArthur, General Dwight D. Eisenhower and General Omar Bradley have been unstinting in their praise of the performance of Texas A. and M. men in their commands. Speaking at the June 1950 graduation ceremonies at College Station, General Bradley summed it up: "The men of Texas A. and M. can stand up to any men in the world and compare favorably their education and training for leadership—leadership in the pursuits of peace, and if it comes to war, leadership in battle."

For almost the first time in its history, the college is today getting something of a breather from its perennial growing pains. Within two years of its opening day the school was badly overcrowded, sadly lacking in dormitory and classroom space, short on equipment and in need of more teachers. As buildings were added to the original two from time to time they eased the tension temporarily, but usually none was completed until the need had already outstripped their capacity. In the era following World War I many students were housed in tents. A few years later these were replaced with one-room wooden shacks, set row after row in a low and somewhat swampy area which the boys soon, for reasons of their own, named "Hollywood in the Sea." During the depression, when both labor and materials were plentiful and cheap, the college floated a government loan and put on a building spree that brought it up to date. But in the ensuing decade, with very little additional building, it didn't stay up. When World War II ended and the flood of returning veterans, many of them former students of the college who had interrupted their educations to join the fighting, hit the campus, it really burst its seams. As the enrollment jumped from around 3,000 to more than 8,000 in 1946, an abandoned air force base eleven miles from the campus was pressed into service, and for four years some 2,000 A. and M. students had to be housed and taught in tar-paper shacks in an operation that was run more or less by remote control.

As the veteran load gradually lifted A. and M. found itself again in a position to undertake a major building program. This time the funds came in the form of an authorized bonding of the college's one-third share of income from the university endowment. With this \$5,000,000 bankroll, plus savings from the war years when construction was impossible, the college undertook the most important building program of its history. This time, instead of building to make room for more students, it was able to devote the greater part of its funds to building better facilities for teaching the students it already had.

As a mark of its new maturity, the college was now able to concentrate some of its efforts on improvement instead of expending all of its energies in growth. It acquired some of the niceties of life in

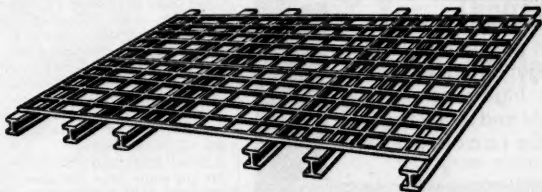
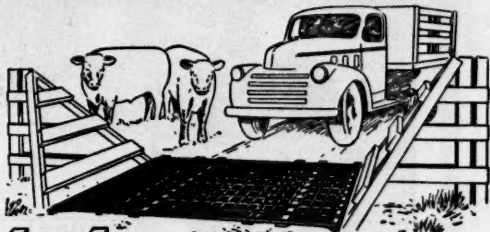
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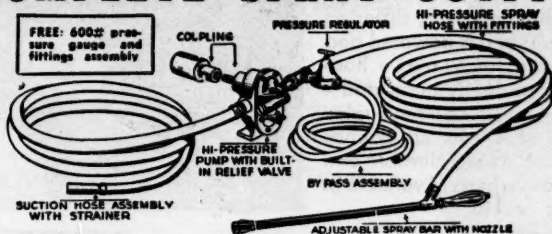
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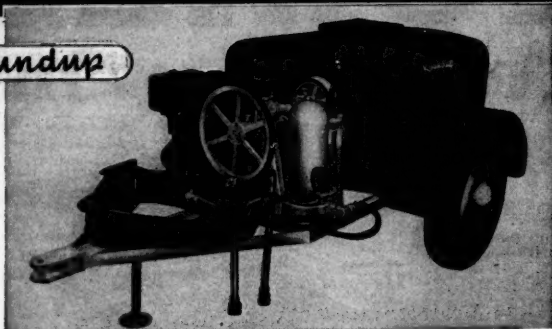
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its beautiful new Memorial Student Center, a sort of campus living room offering a place for students to relax and develop tastes for beauty and comfort. This Center, which was opened in September of 1951, has probably had more impact on the general trend of campus life and certainly has made more difference in the comfort and pleasure of citizens of the state who come to the campus than any other single addition in the college's history. A block-long lowswung structure of modern design, the Memorial Student Center is the first place a visitor to the campus will see, and if he doesn't stay more than a couple of days, he may find that he's done all his business and seen all of his friends without ever leaving its air-conditioned deep-cushioned comfort.

There are 66 air-conditioned guest rooms, four eating places, meeting rooms for groups of all sizes, bowling alleys, barber shop, gift shop, post office, game rooms, lounges, rest rooms, telephone center, hobby and craft rooms, a reading room and ballroom all under its roof. Students come to read, listen to good music, play games, practice hobbies, meet their friends, or just plain loaf. Hardly a week passes when from one to five groups of assorted citizens from all over the state don't gather in this building for a short course or conference, making constant use of the facilities and personnel of the college.

The Memorial Student Center is a dream come true for many of the former students who toughed it out in the harder days of Tent City and Hollywood, or old Austin and Gathright Halls, which boasted the facilities of "running wood and water"—if you could persuade the freshmen to run. It was the former students, as a matter of fact, who started the movement for building the Center and who contributed, over a period of several years, quite a sizeable stack of war bonds for this purpose. In 1946 the college took the project on and started planning and laying aside additional funds. Construction began in 1948 and the building was completed by September of 1950.

Other less spectacular but equally important additions under the new building program have been the combination agricultural research and teaching centers in the area west of the railroads. Based on the very sound idea that a boy who is studying animal husbandry, for example, can get a more practical slant by doing his classwork in close proximity to beef cattle, each center puts a modern classroom and laboratory in the center of a pasture, where the livestock being studied are grazing just outside and can be brought in for demonstration and actual work. Already completed are the beef cattle, horse, swine, dairy and poultry centers, while others are still under construction. In this same general area a new ultra-modern Veterinary Hospital is being built and plans are complete to move this entire activity to the new agricultural setup. Back on the main campus, a new biological sciences building has been completed and an addition has been built to old Francis Hall to house the growing department of Business Administration. Just completed is a new wing for the Physics building and under construction are a new Engineering building and a home for the Texas Engineers Library. Bids have been called for and contract is being let this month on a new Physical Education building which will furnish facilities for streamlining every Aggie physically at the same time his

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RESEARCH HAS PROVED . . . that grass alone is not enough to meet today's fast beef-producing schedules. When cattle are on grass the microorganisms present in the rumen (or paunch) are slow and sluggish, then fail to get the food elements they need to keep active. Feeding research now proves that the stepped-up activity of rumen bacteria is essential for greater feeding benefit. Additional minerals and vitamins keep rumen bacteria working at top speed breaking down tough fibers of grass — converting it into more feeding value — building beef faster.

CATTLEMEN HAVE PROVED . . . that Occo Mineral-Vitamin Supplement keeps rumen bacteria well-fed, active and multiplying . . . and the more vigorous and numerous they are, the more value your cattle get from grass. Yes, a small amount of Occo will give you a better rate of gain . . . a better grade of beef! **NO WONDER OCCO SALES HAVE DOUBLED IN THE CATTLE COUNTRY IN ONE SHORT YEAR.**

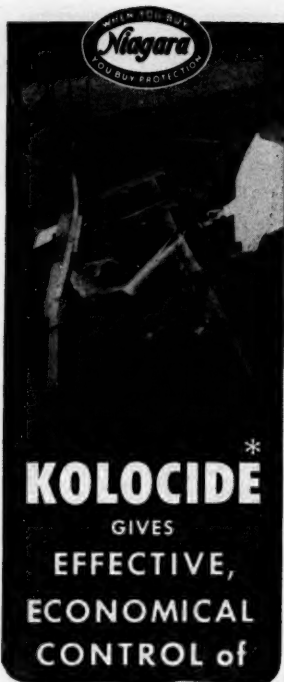
YOUR OCCO SERVICE MAN CAN PROVE that Occo does make a big difference in cattle on the range. It's this **BIG DIFFERENCE** that has doubled Occo sales in the cattle country. Ask the Occo Service Man who lives in your area to show you why more cattlemen are getting more from their grass — more from their cattle with **OCCO MINERAL-VITAMIN SUPPLEMENT.**

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OELWEIN, IOWA



On page 34 you will find an excellent article on screw worms written by Raymond Bushland. The author is the son of Ole Bushland, Director of Sales for the Oelwein Chemical Company.



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GIVES
EFFECTIVE,
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mental processes are being polished to a fine gloss.

While all of this has been going on, the college by no means has lost its pioneering spirit. During the past year two completely new educational approaches have been undertaken and have shown promise of improving materially the chances of every youngster who enrolls at the college for securing a first class education. One of these, the Basic Division, has been tried elsewhere with success, while the other, called the Junction Adjunct, is, so far as is known, an entirely new approach to a very old problem. Both are designed to help boys make the transition from high school to college and reduce the high percentage of loss of new students from which all colleges are suffering. Both have shown promise in their first year of operation and are being improved.

The Summer Adjunct at Junction is a dream of Chancellor Gibb Gilchrist's, which he started working on during his time as president of the college and has fostered ever since. It is a summer camp setup in the beautiful and breezy hill country of Texas, where boys who have been graduated from high school and plan to enter one of the colleges of the A. and M. System may spend six weeks in preparation for the big jump from high school to college work. The plan grew out of the fact that for many years in all colleges entirely too many high school graduates have enrolled and quite promptly failed to make the grade in their first semester's work. This is a waste of money for parents, and in a state college for the taxpayers. Worse still, it gives the youngster a big black mark of failure early in life and can do serious damage to his confidence.

A study of these first semester failures, which in many schools run as high as 25 per cent of the freshman class, shows that many are caused by a lack of preparation in one or more of the fundamental subjects, such as reading, writing, mathematics and science. By far the greatest number are due to an inability to read quickly and comprehend a greater part of what is read. Since books are the most frequently used tools in college, this is a serious handicap. Many others suffer from the common mistake of enrolling in the wrong course. Johnny has an uncle who has made money in the oil business, and so he enrolls for petroleum engineering, even though he has no aptitude for mathematics or the sciences. He may be a whiz in English, history and modern languages, but that won't save him from failing miserably in petroleum engineering. So Johnny "busts out," as the saying goes, and returns home convinced that he is not smart enough for college. As a matter of fact, he might have been an honor student in the right course.

The Summer Adjunct at Junction is designed to prevent this sort of tragedy as well as a lot of others. The boys who enroll for this six-week camp are first given a series of comprehensive tests, to check up on how well they are prepared in the fundamental subjects, test their likes, dislikes and aptitudes and to find out something of their abilities in various specialized fields. On the basis of these tests, a trained counselor sits down with each boy and goes over his plans for college. Each youngster is told his own weaknesses and strengths and given some sound advice on what to take in college. If the boy is wholly unprepared, he is told so, and advised to take some more high school work before enrolling.

If he doesn't want to go back home to do this, he can "go off to school" at the System's Tarleton College, where the last two years of high school work are also offered. If the boy is weak in one or two subjects, such as mathematics and English, he can take strengthening courses at the camp. If he happens to be fully prepared for college, then the Adjunct will offer him six weeks of college work, for which he will receive full credit when he enrolls in the Fall.

Boys are told "the facts of life" on various courses and careers, and an attempt is made to help each youngster sign up originally for the type of work in which he will do the best. This six weeks in the summer gives any boy a running start in the right direction on his college career.

The Summer Adjunct was authorized by the 51st Legislature and is located on 411 acres of choice land along the South Llano River less than a mile from Junction. The land was a gift to the college from the citizens of Kimble County. Last year more than 100 boys were enrolled and a much larger number are expected during each of the two sessions this summer. The camp is of a permanent nature, with students and staff housed in tent dormitories and with all facilities for feeding, sanitation, etc. Many of the classes are held in the open and a good part of the time is spent on recreation and physical buildup of the boys. In addition to pre-college students, the adjunct also furnishes a training ground for advanced students taking summer field work in geology, surveying and hydraulics.

Of course, not all of the boys who plan to enter the A. and M. schools can attend this summer session. The camp capacity is around 250 and there are only two sessions a year. To give the vast majority of entering students the best possible opportunity to get their feet on the ground and get into the right channel of work, A. and M. College last year inaugurated its new Basic Division, a sixth school of the college. All entering freshmen are enrolled in the Basic Division. Here they all take fundamental courses and are given tests and counseling along with their regular freshman work. In order to enroll in one of the degree granting schools of Engineering, Agriculture, Arts and Sciences or Veterinary Medicine, a boy must first prove, in the Basic Division, that he is prepared and sufficiently apt in his selected field to stand a good chance of graduating. This saves many failures of boys who sign up for the wrong courses, and gives youngsters a much better start than under the old system. The work of students in the Basic Division is closely supervised, grades are checked frequently, and "make-up" courses are run at night for those who are falling behind. It is believed that this, with the help of the Junction Adjunct, will cut the number of useless failures at A. and M. appreciably.

Of the six schools which make up A. and M. College, the one which in recent years has shown the most spectacular growth has been the Graduate School, where work is done toward degrees beyond the bachelors. This is a natural adjustment to changing times, which have brought increasing demands for more highly skilled technologists and scientists in both agriculture and industry. Until a few years ago, enrollment of the graduate school ran less than 100. During the past year it was 500 and 205 advanced degrees were granted. Of this number 15 were the Ph.D., the highest number of

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ONLY ONE DIPPING NEEDED—Gets all the scab mites on the surface at time of dipping. Residue remains active against forms hatching later.

NO HEATING NEEDED—Use dip just as it is mixed.

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this top degree ever granted by the college.

While the building program has modernized the physical setup of the college the academic structure has also been under constant revision, with old courses being dropped as the need for them passed and new courses being added to train men for new fields of activity coming to Texas. One of the most spectacular of these new departments, now in its second year, is the Department of—of all things—Oceanography. Texas, after all, is bounded on the south by the Gulf of Mexico, an imposing and quite valuable piece of water. Its effect upon the industry, commerce and agriculture of the state has been significant.

In its first year of full-scale operation the new Department of Oceanography at A. and M. had a spectacular growth, particularly in research and graduate instruction. With an academic staff of five, a full-time research staff of 20 and 18 part-time research employees, the department conducted undergraduate and graduate courses for 105 students. In addition, it furnished the scientific staff for research projects sponsored by oil and gas companies and defense agencies. It had six such research projects under way at the close of the year and that number has been doubled now.

Through these projects graduate training was offered to 25 students, six of whom worked at the Ph.D. level. Thirteen more doctorate candidates have been enrolled for this year. Twenty graduate assistantships, fellowships and research assistantships for advanced study were made available through this department. Four seagoing vessels, property of organizations sponsoring or interested in research projects, were used in the work this year while four more were listed as on call when needed.

The most important project completed by the Oceanography Department this year was a study of marine pipe line problems sponsored by a major gas pipe line company. The success of this study attracted national attention and brought many inquiries concerning other offshore studies in the Gulf of Mexico for gas and oil companies.

And while all of this modernizing, improving and developing was going on, A. and M. College did not in any way lose sight of the statement of its mission made by "Old Dick Coke" on that October morning in 1876. He said, you will remember, that the college was established to offer the boys of Texas a "thorough, liberal and practical" education at the lowest possible cost.

This statement presented the design for the democratic educational procedures in which A. and M. College justly takes pride. The State of Texas has charged A. and M. College with the duty of providing for the young men of Texas a first-class practical education at a minimum cost. In keeping with this policy, the first board of directors set the total cost of a nine-month session at \$250 and provided for the admission of 101 "State Students" at a cost of \$200 each. These students were to be "meritorious young men of limited means" to be selected by State Senators and Texas members of Congress.

This early experiment in State Scholarships did not prove satisfactory and was dropped after a year's trial. But the principle of offering a sound education at the lowest possible cost was not lost. In 1877 the board cut the cost of attend-

The Fifth in a series of statements telling the "Story of Beef" from producer to consumer.



"SERVICE IS OUR BUSINESS"
says Roy Gregg

Most any time during a market day Yards Superintendent Roy Gregg can be seen riding his gray horse "Smoky" through the Oklahoma City Yards looking things over. Roy likes to be sure that the livestock entrusted to the Oklahoma National Stock Yards Company is receiving good care... that the pens are in good shape and enough feed and fresh running water are provided.

"We try," says Gregg, "to keep the livestock as comfortable as possible so that farmers and ranchers will get the greatest return for the stock they send to our market. This not only requires proper feeding and good facilities, but also very careful handling to prevent bruising or injury of any kind. Our job," continues Gregg, "is to run a good 'livestock hotel' with excellent service and real Southern hospitality."

Gregg points out another important service feature of Stock Yards companies that seldom meets the untrained eye. "Thousands of head of livestock move through our Yards and they are usually here only a short time. Careful planning is necessary to provide for a rapid and efficient 'flow' of stock through the Yards. We've also got to provide good trading conditions... facilities that are convenient and efficient for both the buyer and seller... if we're to have a good market."

Superintendent Gregg dates his start at the Oklahoma City Yards back to their very beginning in 1910, when a few men realized the opportunities of the great Southwest and could see Oklahoma City as a key livestock market of the future.

"My 42 years at the Oklahoma City market have been a great experience," recalls Roy Gregg, "seeing the Yards grow and change. Just as the farmer has changed his



methods of feeding, handling, and shipping livestock, we, too, have made many improvements at the Yards, keeping up with the march of progress."

The great Southwest can be justly proud of men like Roy Gregg. It is through their vision, faith, and determination that our present efficient and competitive livestock markets were created and developed.



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**PULLING TOGETHER FOR
GREATER STRENGTH
AND MUTUAL BENEFIT**



ance for all students to \$200 per nine-month term. At that time they expressed the hope that the day would come when "poverty will no longer bar the way of the poorest youth in the land who is capable of receiving a thorough education, and whose breast is fired with an honorable intention to obtain it."

Today, three-quarters of a century later, A. and M. College continues to adhere to this democratic principle of education. There are now more than 240 young men attending the College on "Opportunity Awards"—scholarships providing \$200 to \$400 a year plus a job when it is needed—as a fulfillment of this early dream. These scholarships, privately financed by former students and other interested Texans, offer educational opportunities to outstanding Texas boys who would otherwise find that "poverty barred the way".

Selection of the boys to receive these awards is made after a competitive examination open only to Texas boys who have graduated from high school with excellent records and who must have assistance in order to attend college. Each applicant must also provide evidence of good reputation and industrious character. The winners of these awards have done excellent work and many have been leaders in the student body. They reflect credit both on their school and on their sponsors.

This idea has proved so popular with the student body that each year one scholarship is given from funds contributed by the students themselves. Through donations of dimes, quarters and dollars, the students of A. and M. have given \$1,600 each year so that some

other Texas boy may have an education.

The Opportunity Awards go far toward meeting the ideal of providing a thorough education on a democratic basis for those capable of receiving it. Also, a large number of A. and M. College students of all levels receive each year prizes, fellowships, grants and other financial aids. These are offered by many different agencies, both public and private, some in Texas and some in other parts of the nation. The total of such cash awards this year is \$191,256.58. Many college jobs are available to students and a number of local business men employ student labor. It is the exceptional student at A. and M. who does not earn some part of his college expenses—which today, as in 1876, are held at the minimum.

The fact that the cost of an education at A. and M. has been kept within the reach of the majority of young Texans through the years is only one measure of the college's loyalty to its principles. By its very structure and organization, A. and M. is a bulwark of democracy. It is neither a school for poor boys nor a school for the rich. It is simply a dormitory school for men in which today, as in the days of the Texas frontier, each man is expected to "win his spurs," to stand solely on his own merits as a man. At A. and M. each student's room, clothes, meals and instructions are the same as those of every other student. All freshmen who are physically fit are required to sign up for two years of military training and to live in assigned dormitories, subject to the rules and regulations of the college.

Beyond the normal fees and the cost of room and board, money will neither

help nor hinder the student at A. and M. Values false to a democratic society—overemphasis on wealth and position or the cultivated class hatreds of the demagogues—find no place on this campus. Every man is given his chance to go as far as his own abilities will carry him, and is taught that this is the way of American democracy. Any differences between the college career of one A. and M. man and that of another are differences made by the student himself.

A. and M. is generally known as a "hard" school, scholastically and otherwise, for the student who is poorly prepared, lazy, unambitious or unwilling to adjust to the give and take of a democratic way of life. But, for the capable, industrious and friendly student, it offers the opportunity for an excellent technical education, preparation for more effective service to his country in time of war and a chance to mature as an individual in a manly and democratic student society. More than any other thing, this is the distinguishing characteristic of A. and M. It is a heritage from the staunch Texas pioneers who founded the college—men who knew the true meaning of democracy and how dearly it was won. It is a heritage of which all A. and M. men are proud.

Farmers and ranchers in the United States have five per cent more meat animals than a year ago and the third highest number on record, according to U. S. Department of Agriculture economists. The inventory reports 88,000,000 head of cattle, an all-time record number. Sheep, lambs, and hogs are also more than reported a year ago.

GRADUATE TO



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JEANS, JACKETS AND SHIRTS



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TOP RODEO STARS
HAVE SWITCHED TO!

Blue Bell Wrangler jeans,
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- ZIPPER OR
BUTTON FRONT

Sizes for the whole family—boys,
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Guaranteed the best made, best
fitting you can buy—or your
money back!

Todd Whatley, All-Around World Champion Cowboy*
1947, says:

"I switched to Wranglers after I tried my first pair, because Wranglers fit just right, and they don't shrink. I like the zipper, too, and the deep pockets. For me, Wranglers fill the bill completely. They wear like iron."

*RCA rating.

Here are some of the other All-Around World Champion Cowboys who have switched to Blue Bell Wrangler jeans, jackets and shirts:



Bill Linderman
1950



Jim Shoulders
1949



Gerald Roberts
1948



Styled by
Rodeo Ben



BLUE BELL, Inc., Greensboro, N. C. WORLD'S LARGEST PRODUCER OF WORK CLOTHES

We Help Put **PROFIT** in Power Farming



Keeping farm equipment on the job with minimum maintenance, supplying the right lubricant for every need, and helping you boost farm output is a daily habit with your Mobilgas-Mobiloil man. Eighty-six years of lubrication experience has gone into improving performance of your farm equipment, boosting production and profits with:

Mobiloil for full protection, power and peak economy.

Mobilgrease to "stay put" under high operating heats and pressures. Seals out dirt, grit and moisture. Guards against wear.

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MAGNOLIA PETROLEUM COMPANY

Call for Friendly
MAGNOLIA Farm Service



Prairie View

(Continued from Page 25)

this college bought the Alta Vista plantation of the late Colonel Jared Ellison Kirby, in Waller County. Once a show-place of the rich plantation country, the stately Alta Vista mansion had been used by Colonel Kirby's widow as a fashionable finishing school for girls until the economic ruin of Reconstruction had made this impractical. The mansion was repaired and equipped and the college turned over to the board of directors of A. & M. College to run. This board designated the president of A. & M. College as president of Prairie View also and employed a resident negro head of the institution who was given the title of "Principal."

On March 11, 1878, the first Principal, L. W. Minor, enrolled eight young men as his first students and the process of higher education for negroes in Texas got under way. The way since then has been long and often rugged. It was soon discovered that the idea of an agricultural and mechanical college for Texas negroes sounded fine, but was impractical. Before the negroes of the state could go to college they must of necessity finish high school. Before many of them could accomplish this, Texas must have qualified negro teachers for its public schools. In 1879 this situation was faced and Prairie View became in name and fact a "Normal," and was made co-educational.

Until a few years ago the "normal" or teacher-training phase of Prairie View's activities was the most important of its

services to the state. As the original non-existent supply of negro teachers was gradually built up to meet the demand, agricultural and industrial courses were added until the name was changed to "Prairie View Normal and Industrial School." In 1946, under pressure from the increasing demands for graduate courses for negroes, the legislature changed the name to "Prairie View University" and authorized it to offer, as the need arose, all of the courses offered by the University of Texas.

A few years later the 50th Legislature returned to the original purposes for which the school was established and again changed the name, this time to "Prairie View Agricultural and Mechanical College of Texas," providing that the college should serve in the same areas for negroes that the A. & M. College serves for other citizens of the state.

Prairie View actually came into its own with this return to its original objectives and with the formation of the A. & M. System, under which it was given the status of an equal part, its resident negro head being for the first time given the full title of president. The relationship between Prairie View and other parts of the Texas A. & M. College System is one of close cooperation from which everyone benefits. Prairie View trains and directs the negro county agricultural and home demonstration agents who make up an important part of the Texas Agricultural Extension Service and its new substation is fast developing into an important link in the statewide research facilities of the Texas Agricultural Experiment Station.

So well recognized is the work of Prairie View in the extension field that for the past two summers a training course for negro extension workers of the South has been held on its campus. Technical papers from agricultural research at its station have been published and well received. Both of these activities have brought to Prairie View real benefits in the form of visits from outstanding scientists and teachers and a marked stimulation of the faculty through close association with research.

In addition to its formal education work, Prairie View serves as a service center for all members of its race in the state. Last year more than 20,000 people attended its various short courses and conferences, which ranged from refresher courses for doctors, through conferences of contractors and builders, short courses for practical nurses and midwives, teachers' conferences and included inter-scholastic league and agricultural club gatherings of a statewide nature. At the same time the school conducted extension courses for adults in many Texas cities, enrolling around 1,000 adults in these off-campus classes.

Staff members of this school have gained national recognition in their various fields. In addition to the honors won by President Evans during the past year, Dr. E. E. O'Banion of Prairie View was elected national president of Beta Kappa Chi, scientific honorary society; Rev. L. C. Phillips, college chaplain, and Professor Pauline Watkins were invited to attend the Mid-Century White House Conference on Children and Youth; J. C. Williams of the Animal Husbandry



Steers on Pasture and Purina MADE \$18.70 MORE PROFIT PER HEAD than steers on grass alone!

E. P. Toulmin & Son, Montgomery, Alabama, cattlemen, proved it pays to feed Purina Range Checkers to steers on grass in a split test with 236 steers. Checker-fed cattle went to market heavier, made better slaughter grades than steers fed pasture only.

Checker-fed cattle maintained grade—gained 51 lbs. more per head in 127-day test... were worth more money, too! Cattle getting no supplement lost grade... gained less weight.

Here's proof it pays to feed Purina Range Checkers on pasture. Next time you're in town, ask your Purina Dealer about Range Checkers.

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VARIETY

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TRACTOR OPERATOR ONLY MAN POWER REQUIRED . . .

Here's the modern, easy method of uniformly baling more hay in fewer man hours of scarce time! Here's the professional automatic baler that needs only the tractor operator and makes conventional firmly packed wire-tied bales that don't come loose!

The 69 inch pick-up of MM Bale-O-Matic picks up all the hay from light or extra heavy windrows. Pick-up conveyor leaves a clean field behind. Raker bar assembly gently yet firmly carries hay, including leaves, to auger which delivers all the hay into packer housing. As plunger uniformly packs hay, knife-steel shear blade slices hay for easy separation. Automatic tying mechanism securely ties the two strands of steel wire while bale is under compression. *No loose or broken bales with the MM Bale-O-Matic! No wire-ends left in the field or in bales!* Owners report that by baling their neighbors' crop, The Bale-O-Matic soon pays for itself.

The easy pulling MM Bale-O-Matic is a heavy-duty machine balanced on two pneumatic tired wheels that turn on large diameter roller bearings. Roller chain drives and safety release spring clutches on all principal drives are typical of the quality you can expect and get in the MM Bale-O-Matic . . . the MM Modern Machine that eliminates drudgery and lowers production costs.

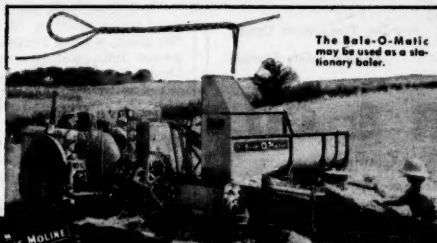
Only The Bale-O-Matic has All these Features

- Density and weight of bales may be pre-selected by operator.
- Makes 35, 40 or 45 inch long conventional square cornered bales.
- Bales automatically tied with two wires.
- Bale chamber, packer head and arms are of oil-steel, welded construction.
- Plunger and countershaft drive gears are of hardened cut steel and run in enclosed oil bath.
- Drive shafts operate on roller bearings or bronze bushings.
- Side compression plates available for bale chamber for even more densely packed bales when baling straw.
- Heavy-duty construction throughout.

**SQUARE-CORNERED
BALES**

**OF UNIFORM
WEIGHT AND SIZE**

**THAT
STAY TIED**



The Bale-O-Matic may be used as a stationary baler.

The Bale-O-Matic is powered by a 4-cylinder, air-cooled engine through slip type 4-inch endless card belt to plunger crank flywheel.





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CFI Field Fence



CFI Lok-Twist Poultry Netting



CFI Silver Tip Fence Posts

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STEEL for FARM and RANCH

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Brady	Otto Frederick	Mason	Milton E. Loeffler	San Angelo	Bob Hardin
Del Rio	Grady Lowrey	Ozona	Houston S. Smith	Uvalde	W. F. Hare

The Cattleman—Subscription rates: One year, \$2; three years, \$5; five years, \$8; foreign, one year, \$4.

Department was elected a member of the American Society of Animal Production and numerous other staff members were invited to present papers at various national meetings of scientific societies.

As "proof of the pudding," Ramona Vaughn, a Prairie View graduate of 1947, was first in the graduating class at Meharry Medical College, Nashville, Tennessee, this year, with the second highest average in the history of that school. Her sister, Ruth Vaughn, who also graduated in 1947, was accepted for the annual British University Summer School program at the University of Edinburgh.

While Prairie View's road has been long and hard, it has not struggled without an occasional helping hand. In addition to the growing support of the state and the staunch backing of the A. & M. System, the school has from time to time been helped by gifts from the nation's top philanthropists. The George Peabody foundation gave the college badly needed money in its earliest days as a training school for teachers, the General Education Board and Rosenwald Foundation in later years gave funds for buildings and to support specific projects. In recent years it has received generous support from Mr. and Mrs. Jesse H. Jones, who have contributed \$75,000 for scholarships to aid negro boys and girls who wanted to attend Prairie View.

In their own 75th Anniversary booklet, Prairie View's people sum their own story up in these words:

"These first seventy-five years, with all of their ups and downs, with all of their sudden bursts of activity and heart-breaking periods of slipping back into mediocrity, have been a period of amazing progress. It is a far cry from the unsteady fledgling of Principal Minor's brief and ill-fated regime to the strong, stable and respected Prairie View A. & M. College of today. Most heartening of all is the knowledge that in this three-quarters of a century Prairie View has earned a place of respect and trust in the minds of all Texans. It has done well the many difficult tasks assigned to it by circumstance and has forged ahead under many difficulties. It has rendered services of great value to Texas in many fields and the true value of these services has been recognized. Because of this the future can be faced with greater confidence than was ever justified at any time in the past. Prairie View has struggled through a difficult and hazardous infancy and childhood and today faces a future of growth and usefulness with confidence and assurance.

"We look back on these first seventy-five years with a certain nostalgia for the past, a deep respect for those courageous men and women who struggled through its darkest days. We look forward with pleasure to the next seventy-five, determined to justify those early struggles by fulfilling the dreams which prompted them—and more."

Next time you drive down Highway 6 from Hempstead toward Houston, turn off to the left about half a mile and visit Prairie View A. & M. You will come away proud of what you have seen.

Enclosed is my check to cover ad. An ad in The Cattleman really means something. I had answers from the four corners of the earth.—R. L. McMurry, Am- arillo, Texas.



Noe's Baca Duke 10th, by Baca R Domino 33rd, had a very successful show record of two championships, two reserve championships and eight firsts at the major shows. The prepotency in his breeding is transmitting those winning qualities to his calves.

We are always happy to have visitors and will be glad to show you sons and daughters of the "10th".



One of
our top
sires . . .

**NOE'S BACA
DUKE 10th**

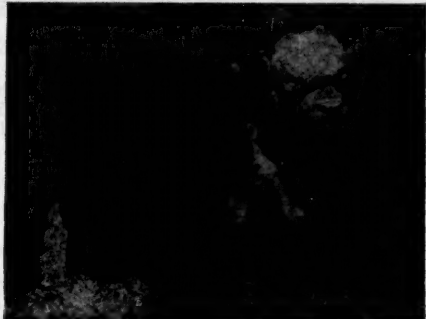
is
transmitting
his winning
qualities
to his get



Typical of the many good calves he has sired for us—pictured left are two of his daughters; below is one of his sons.

**NANCE
HEREFORD
RANCH**
CANYON, TEXAS

GEORGE E. NANCE, Owner



Arlington State College

(Continued from Page 27)

area meet of boys from 10 surrounding counties, a short course for vocational agricultural teachers, meetings of dairymen and of the Texas Feed Manufacturers Association, the FFA and 4-H judging contests for the area and the annual meeting of the North Texas Producers Association.

Arlington State College is the oldest of Texas' state-supported Junior Colleges, as well as the largest junior college in the state. It was first opened in 1895 as a municipal project supported by the citizens of Arlington, but soon ran into financial difficulties and was closed in 1900. A year later it was reopened as Carlisle Military Academy and was able to operate until 1913, when it again went under in a morass of financial complications. The next year, determined Arlington citizens reopened the school under the name of Arlington Training School and struggled along until 1917, when they were about to lose another round of the fight, until Judge V. W. Grubbs of Greenville, an ex-legislator, took an interest in the school and promoted the establishment of a state-supported junior college, using the facilities which Arlington citizens had provided.

In June of 1917 the state officially took over the Arlington academic Sinbad, now called the Grubbs Vocational School, and placed it under the supervision of the A. & M. College board of directors. Since that time it has operated as an A. & M. affiliate, being considered a junior branch of the main college until

formation of the A. & M. System, when it was given equal status and its own president.

The college has been co-educational from its beginning, but the student body has always been predominantly male. Until 1946 there were no dormitory facilities for girls. Those who could not commute from their homes had to live in rooms in private Arlington residences and there were few of these available. The school has also appealed to the boys more strongly because of its excellent military training program, its emphasis on technical and scientific courses and the employment opportunities in the area for male graduates. This picture is changing now. Some dormitory facilities for girls have been provided since 1946, the business and art courses have been improved and have attracted many girls and, in line with the national trend, the employment of girls has increased throughout industry.

A large portion of Arlington's students come from the heavily populated Dallas and Tarrant Counties. Most of them commute, by car or bus and special arrangements have been made for them. Bus schedules have been adjusted; to class schedules and bus routes come within a block of the campus. Special student rates are offered by the transportation companies.

Long handicapped by a lagging building program, the Arlington school has come to life in this respect since the start of the System building program in 1949. There had not been a new permanent classroom building on the campus in 30 years when this latest program started. A few temporary buildings had been

picked up from government surplus sales and minor improvements had been made from the college's general funds. With the passage of the constitutional amendment setting aside money for college buildings, Arlington started building in earnest.

A new science building, engineering building, dormitory and stadium have been completed, the heating system has been expanded and other campus improvements have been made. A new student union building is now being planned and will be under contract soon.

And where do they go from here? For an answer, let's turn to a statement made by Arlington's President E. H. Hereford to the board of directors of the A. & M. System at a recent meeting:

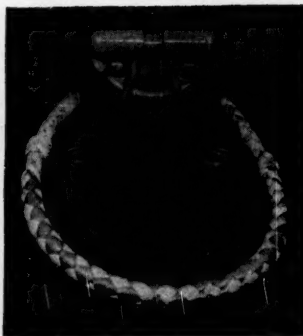
"What shall our future program be? Obviously, this will have to be answered in terms of our clientele. We are the only state school in the immediate vicinity. There will be a demand for the cultural and professional training, and Arlington State College should be prepared to offer the basic course in these fields. This means that we must continue to offer and strengthen where possible our liberal arts program. Our Agricultural and Home Economics programs must be strengthened and our Business Administration offerings must be adapted to the expanding business needs of the area. The principal development has been in the field of industry; therefore our program in Engineering must be steadily expanded and strengthened. This applies to both our pre-professional work and our semiprofessional courses. The need for the semiskilled worker is becoming more apparent to the employer in manufactur-

The NEW-IMPROVED "EASY STOP" HACKAMORE

Patent Pending

is now available. The jaw piece is raised for more effectiveness. Each ball now has two set screws to prevent slipping. Picture at right shows how **PINE JOHNSON**, trainer for **WAGGONER'S 3-D'S STOCK FARMS**, adjusts his "EASY STOP" to his horse. **PINE** says, "Now, boys, if you haven't tried the 'EASY STOP' you are missing a good bet. For training any type using horse, it can't be beat."

**LIGHT - ATTRACTIVE
EFFECTIVE - DURABLE
ADJUSTABLE - GUARANTEED**



"Easy Stop"—plaited noseband \$8.50

"Easy Stop"—plain cable

noseband \$4.50

"Easy Stop"—with Latigo Leather headstall

Reins to match headstall

"Easy Stop"—with Latigo Leather noseband only

"Easy Stop"—with headstall and plaited noseband

Plaited quirts

\$9.95

\$2.50

\$6.00

\$12.50

\$4.95

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243 HEAD REGISTERED HEREFORDS 143 LOTS

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- 35 cows with first calf
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- 4 top daughters of WHR Proud Mixer 21st
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LARRY DRUID 2d

Larry Domino K. 1st 3242386	{ Larry Domino 85th 2757305 Lady Druid 8th 2177521 Royal Domino 1st 2235277 Miss Royal Mixer 2391194	{ Larry Domino Miss R. Domino 1st Besu Domino Lady Druid 6th Mischief Domino Lady Marmion The Mischief Mixer Gentle Annie 10th
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Whoever thought of continuous oiling construction for moving parts? AERMOTOR, OF COURSE

Here is a water pumping system that you can erect on the range and forget. It is practically self-maintaining. Moving parts run in oil which requires replacing only once a year. Strong, sturdy wheel with only 6 bolts. Round tension wheel arms, which screw into the hub, will never work loose. Extra large wheel shaft for utmost durability. Galvanized metal helmet covers gear case completely, sealing it against rain or snow. Aermotor structural steel towers are strong, rigid, and put up a minimum of resistance to high wind.

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Pumps in the slightest breeze, yet capable of running smoothly in the strongest winds. Self-operating buffer device reduces the shock on the wheel in strong, gusty winds. Aermotor Windmills and Towers sold complete as a unit or Aermotors sold separately with stub to fit any old tower.



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you can do it, or your dealer can do it for you. Durable, efficient, and requires only a minimum of maintenance. Available for wells of all diameters from 2" to 4 1/2" and pumping depths from 20' to 100'.



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LET ME HANDLE YOUR LIVESTOCK INSURANCE WITH LLOYD'S
THROUGH HARDING & HARDING

Protect Your Valuable Breeding Animals and Show Stock against death from any cause. Special Herd Insurance for 10 head or more and 4H & F.F.A. Calves. Dependable, No Red Tape, Prompt Service

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ing plants and we believe that our field of greatest expansion should be in this area. Those in charge of this program will keep in closest contact with industry and seek out fields of additional service, as well as a continuation of our present program. Our biggest problem is selling the student on taking these courses. This can be done by closer contact with student counselors in high schools and an educational program with the parents.

"While the history of Arlington State College is not long, we have had a steady growth and a distinctive philosophy. It has not been our purpose to duplicate other institutions but rather to find our distinctive field, or fields, and give emphasis to this area. The College has been sensitive to the needs of those it serves and will undoubtedly continue to adapt its program to meet the changing economic, industrial, and social developments."

Meat And High Blood Pressure

SCIENCE has gone a long way toward disproving the old theory that the use of meat in the diet causes high blood pressure.

This is the gist of an article on "Protein and Blood Pressure" by Dr. Simon Robard of the Medical Research Institute of Michael Reese Hospital, Chicago, appearing in the current issue of the National Live Stock and Meat Board's "Food and Nutrition News".

Dr. Robard calls attention to the fact that the belief in a relationship between the amount of dietary protein, particularly meat protein, and variations in blood pressure was based primarily on clinical impressions of physicians early in the present century. He points out, however, that despite the array of evidence presuming to show an interrelation between meat and high blood pressure, analyses of the "voluminous literature" on this subject have made it clear that these associations are only incidental except in occasional cases.

This medical authority brings out the very interesting point that Greenland Eskimos are not subject to high blood pressure in spite of the fact that they live almost entirely on animal protein and fat. He refers to the investigations which have shown little difference in the blood pressure of members of two religious orders, one of which required a strict abstinence from meat, fish, eggs and butter, while the other order had no such restrictions. Several studies also have shown that patients with high blood pressure had consumed no more protein than other comparable groups of people with normal pressures.

"Repeated attempts to lower the blood pressure of hypersensitive patients have been made over the last 50 years," Dr. Robard states. "Some of these efforts have led to enthusiasm in limited quarters. However, there has been no general acceptance of low protein diets in the treatment of this disorder."

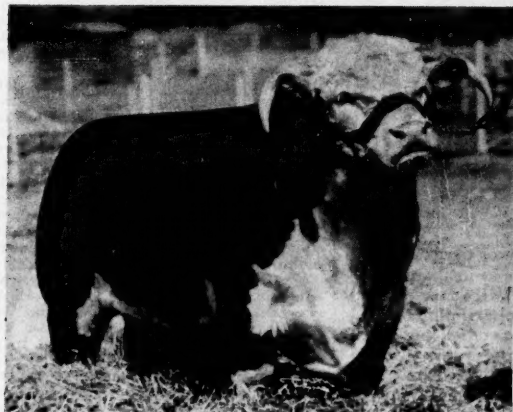
The typical American farmer has increased the size of his farm. Ten years ago, the average size farm in this country was only 174 acres compared with 215 acres now. Economists of the U. S. Department of Agriculture report both large and small farms are becoming more numerous, while middle-size farms are decreasing in number.

Kingford Farm

COW and CALF SALE

Featuring

THE GET AND SERVICE OF THESE TWO TOP SIRES



NOE'S BACA DUKE 108th

Baca R Domino 33rd	{ OJR Royal Domino 10th	{ WHR Royal Domino 51st
	{ Baca Miss Reality 8th	{ WHR Donna Domino 63rd
	{ Larry Domino 50th	{ WHR Reality 13th
MW Lady Larryana 82nd	{ MW Royal Heiress 25th	{ Larry Domino
		{ Miss Sturgess
		{ Dandy Domino 102nd
		{ WHR Royal Heiress 62nd



MW PRINCE LARRY 54th

MW Larry Domino 37th	{ Larry Domino 50th	{ Larry Domino
	{ Colorado Princess	{ Miss Sturgess
	{ J 65th	{ Colorado Domino 236th
	{ Colorado Domino	{ Mischief Lass 62nd
	{ 159th	{ Dandy Domino 2nd
MW Rosabelle 24th	{ Lazy B Rose Domino	{ Mischief Lass 15th
	{ 2nd	{ WHR Puritan 23d
		{ Lady Real 126th

OFFERING 112 HEAD

JUNE 19th ★ SILOAM SPRINGS, ARK.

★ 85 cows and calves—majority of calves by MW Prince Larry 54th and Noe's Baca Duke 108th and cows will be rebred to these bulls. Many of the cows have first calf—top bloodlines represented.

★ 16 Bred Heifers ★ 11 Open Heifers

We have sold only five heifers from our herd since 1947 and this offering includes an excellent opportunity to select top young cows with calves at side and rebred to outstanding bulls.

Write for catalog—sent on request only.

Plan to come to the sale—bring the family and spend the day in the beautiful Ozarks.

Carl B. King, Owner

KINGFORD FARM

SILOAM SPRINGS, ARKANSAS

Plan to attend the For-Ker Ranch Field Day, Chelsea, Oklahoma, June 20.

Oliver Taylor, Cattle

grow colts
like these

WITH
STRONG BONES
AND
RUGGED BODIES



feed **RED CHAIN**
HORSE
KRUNCH

A Modern, Balanced Feed For Horses Of All Ages

Fortified With
Proteins • Minerals
Vitamins A, D, and
B-Complex Vitamins



Variety of ingredients is now recognized as being as important in horse feeds as in those for other farm animals. RED CHAIN Horse Krunch is formulated on that premise. Built on a base of ground whole white oats and yellow corn meal to provide ample carbohydrates; it also contains linseed, peanut, and soybean oil meals, dehydrated alfalfa leaf meal, and bran to supply 15% protein. Molasses has been added as a conditioner and to increase palatability. Calcium, salt, and trace minerals as well as vitamins A, D, and riboflavin have been added to supply these needed nutritional elements. That is why RED CHAIN Horse Krunch builds bone and tissue, stamina, and fine glossy coats. The half-inch nugget form is easy to feed, saves waste, and is always uniform. Colts love it.

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ATTENTION HORSEMEN!

You now get double value since Back in the Saddle and Horse Lover Magazine threw in together to bring you the

New Enlarged

"HORSE LOVER'S MAGAZINE"

YES! Randy Steffen, former editor and publisher of Back in the Saddle, is now associate editor of the new spread. You can now read his "Ink Talk" about Texas and the Southwest. In addition, we bring news, pictures and stories about Quarter Horses, Palominos, Appaloosas, Morgans, Arabians, Rodeos, cutting horse news and riding clubs. Costs less than a cent a day to enjoy this national horse magazine. Subscription rates: 2 years \$5.00, 1 year \$3.00

HORSE LOVER'S MAGAZINE

P. O. Box 1432, Richmond 4, California
On Sale at the Larger News Stands.



Tarleton State College

(Continued from Page 29)

learned during the day. They finished their college work with money in the bank, well on the road to success.

The course has proven especially popular with students whose parents are farmers. The whole plan is based on "doing." By college bus the boys are carried daily to the college livestock farm, where they are taught to vaccinate animals; to breed, feed and care for feeder cattle, dairy stock, sheep and hogs; to select cattle and to handle milk.

At the college poultry farm they are taught how to make money from chickens. They learn to select and care for the fowls, to test for diseases and how to grade and crate eggs. In the farm shop they are taught how to build and operate farm equipment, such as hoof-trimming devices. They learn to handle, care for and repair tractors and other farm machinery. At the horticulture farm they learn about soil conservation and how to bud pecan trees. They study soils, insects, grasses and in the spring they plant a garden.

Always the emphasis is put on what to do and how to do it, with very little concern over the technical or scientific aspects of the whys and wherefores. In addition to this practical training, the boys are given the educational background necessary to success in any field, with a thorough knowledge of the English language and an understanding of the history and government of their country. They are being trained for leadership in their communities.

An ROTC unit, a well-rounded physical education program and a college FFA chapter give them an opportunity to practice and develop the qualities of leadership. In special short courses they are taught how to make speeches, write newspaper articles and conduct meetings. Social activities include everything from square dances and barbecues to formal balls. A strong religious influence is exerted by the churches of the community. So successful has the first two years of this work been that this is expected to develop into one of Tarleton's major lines of work.

In the past two years Tarleton State College has blossomed under the influence of a \$1,000,000 building program, which has provided the new agriculture building, new science building, new dairy setup, the physical education plant for women and many general campus improvements. Old dormitories and the dining hall have been modernized and a new wood and metal shop is still to be built.

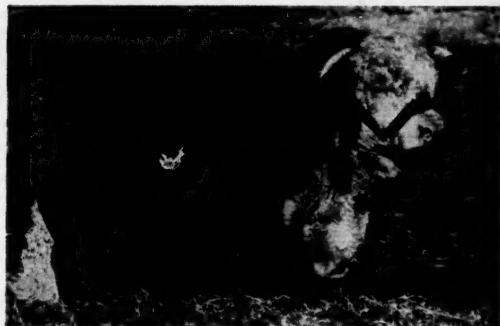
Aside from its purely academic functions, Tarleton College also serves as a center for many activities of importance to its area. The district agricultural agent and district home demonstration agent of the Agricultural Extension Service have headquarters on the Tarleton campus and use its facilities for training of club boys and girls, men and women. Area supervisors for Vocational Agriculture and Home Economics of the Texas Education Agency also make their headquarters on the campus. A substation of the Texas Agricultural Experiment Station, adjacent to the college farm, works closely with the college staff and gives both staff and students daily contact with its research.

The Turkey Pullorum testing laboratory at Tarleton College is one of the

R. PRYOR LUCAS ESTATE DISPERSION

THURSDAY, JUNE 5th

BEEVILLE, TEXAS



WHR REGALITY 33d

WHR Royal Duke 3d 3781236	WHR Royal Triumph 2876603	WHR T Domino 6th Lillian Domino
	WHR Vega Domino 18th 2321041	Star Domino 66th Brands Blanche 79th
WHR Cameo 39th 4158323	WHR True Mold 15th 2751219	WHR D Stanway 44th WHR Onward Girl 63d
	WHR Royal Heiress 125th 2591184	Prince Domino C Brands Anxious 62d



**THE BRED FEMALES CARRY
THE SERVICE OF THESE BULLS**



REAL SILVER MISCHIEF

Real Silver Dom. 44th 3317191	Real Domino 51st 2437719	Real P. Domino 24th Daisy Domino 1st
	Daisette Silver 2331733	Prince Domino 6th Mary Sue
Dundena H. 3455922	Dundy Mischief 2589757	Dundy Domino Miss Beau Jennie 3d
	Dundena 3 T 2943014	Real Prince 1st Dundena 3d

**5% of the gross sales of this dispersion will go to
the R. PRYOR LUCAS MEMORIAL FUND**

For Catalog Write:
B. J. Baskin, Sale Manager
Box 1113, Bryan, Texas



G. H. Shaw and Walter Britten, Auctioneers • George Kleier for THE CATTLEMAN

Selling

155 HEAD, 118 LOTS

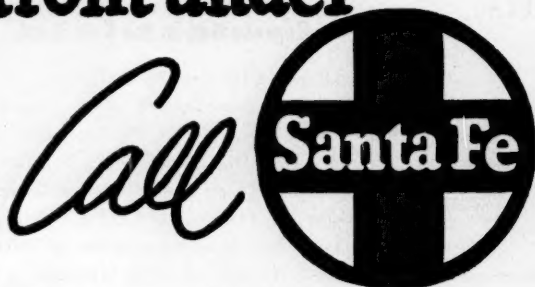
- ★ 11 BULLS—including one proven grandson of Prince Domino Mixer and ten young bulls ten to fourteen months old.
- ★ 10 OPEN HEIFERS
- ★ 37 COWS with calves at side and all rebred—25 rebred to Real Silver Mischief, he by Real Silver Domino 44th.
- ★ 60 BRED COWS—Bred to WHR Regality 33rd, he by WHR Royal Duke 3rd.

Bulls

Represented in the Cow Herd

Hazford Rupert 81st, Real Prince Domino, WHR Royal Domino 51st, Larry Domino 50th, Prince Domino Return, Real Domino 51st, Publican Domino, WHR Dynamic Aster, The Lamplighter, Publican Domino 30th, Hazford Tone, Prince Domino Mixer, WHR Royal Duke 3rd. Also included in this offering is WHR Bright Lass 3rd, a granddaughter of WHR Royal Flash. She is the dam of WHR Symbol 71st that sold for \$15,000 to Fair Oaks Ranch, Boerne, Texas. Also included is one daughter of MW Larry Domino 38th, the \$31,100 son of the "50th."

When a shipment's
**Got to
 Get
 there**
 to get you out
 from under



Your Santa Fe freight man knows how to make your hard shipping jobs look easy—and how to handle your common jobs uncommonly well. Call him today—find out how easy it is to ship via Santa Fe all the way!

Clark Davis, Freight Traffic Manager
 Santa Fe Lines, Galveston, Texas

two operated in Texas. Last year it ran 145,000 blood tests and 261 autopsies for Texas turkey breeders. An official egg laying contest of 100 pens, the only one of its kind in the Southwest, is also run by the college.

That orphan boy chopping wood in the Tennessee hills at two bits a cord made and saved his money the hard way. He dreamed big dreams, or he could never have followed the long hard road to success, but it is hard to believe his dreams were bigger than the realities which have grown out of them.

Texas A. & M. Services

(Continued from Page 33)

mature, easy to produce and has a superior resistance to root lodging. Tests have already shown that this new hybrid is well adapted to the Blackland Prairie and East Texas timber region and it is expected to have a much wider range of adaptation.

The Experiment Station produced its first corn hybrid in 1941. The next year three Erath County farmers, C. C. Winters, Ed Bays and Grady Wolfe, planted some seed of this hybrid. A celebration was held at Stephenville on February 23 of 1951 to announce that Erath had become the first Texas county in which all farmers growing corn used hybrids. All hybrids used in the county were developed in the Texas station's breeding program. Erath County grows about 30,000 acres of corn annually, receiving an additional \$600,000 a year over the income corn growers would receive from open-pollinated varieties, according to local estimates.

In recognition of the value of this breeding program, the Texas Certified Hybrid Seed Corn Association has started a fund collected at the rate of five cents per 1,000 kernels of foundation seed stocks sold to members to provide \$3,000 to \$4,000 a year in research assistantships for the work.

Dr. R. G. Reeves has been named staff leader for the Texas phase of a national project for the introduction, testing and adaptation of new plants from all parts of the world. New varieties adapted to various parts of Texas are being sought as well as new plant material for breeding programs. Nearly 2,000 plants introduced from India, the Philippines, Turkey and various countries of Central and South America and Africa were brought into Texas for testing this year. About 100 showed promise under Texas conditions and several years of evaluation work will be done on these. Oil seed crops, grain, vegetables, guayule, fruits, grasses, forage crops, ornamentals and miscellaneous items were included. Some are new types of old crops while others are entirely new to Texas. Departments of Agronomy, Horticulture, Floriculture and Range and Forestry are participating in the work which is being done at substations at Tyler, Denton, Chillicothe, Prairie View, Montague, Sonora, Weslaco, Winter Haven, Stephenville, Kirbyville and Bluebonnet Farm as well as at the main station.

Working hand in hand with agricultural research, the Texas Engineering Experiment Station applies the scientific approach to problems of agriculture and industry. An outstanding example of this work was the designing and building of the world's first airplane designed specifically for agricultural use. A joint

project of the Civil Aeronautics Authority, the Flying Farmers of America and the Texas A. & M. College System, the plane was designed and built in exactly one year in the Personal Aircraft Research Center at A. & M. College. Fred E. Weick, one of the top aircraft designers in the country, serving as a Distinguished Professor of Aeronautical Engineering at A. & M., designed the plane and built it in a small shop with simple tools with the aid of a handful of graduate students and a group of consulting engineers. He deliberately built the plane with simple tools because he recognized that in the field it would have to be repaired and kept in running order with a minimum of equipment.

The plane was completed and test-flown in December of 1951 and since that time has been on a national tour in which it has been tested by more than 500 pilots engaged in commercial flying for agriculture. The verdict of the professionals and of the CAA has been that a plane of

this design would not only improve the dusting and spraying operations, but would also eliminate a high percentage of the fatal accidents in this hazardous occupation.

The plane has the ability to take off from a small field with a heavy load, to fly at slow speeds at low altitude and to pick up speed at almost unbelievable rates. It climbs almost straight up and is extremely maneuverable. This much done, the engineers, working with researchers of the Agricultural Experiment Station set about building their own laboratory to test the results of spraying and dusting, in order to test and develop new devices for distributing the materials carried in the plane.

A set of enclosed extremely sensitive scales was built. These, stationed at strategic spots in a field enable the researchers to tell within a few minutes' time how many pounds of spray or dust per acre hits the ground when the plane makes a run over the field. With this

setup tests are being made to determine the best type of sprays and dust distributors, seeding equipment, etc., to put on the new plane.

In April of this year at College Station the first short course on the use of insecticides, defoliants, seeding and fertilizing by plane was held for a group of farmers and commercial operators. They saw the new plane, the "Ag-1," demonstrated, saw the new testing devices at work and were given the latest information on chemical sprays, dusts and methods.

A new solvent process for the extraction of cottonseed oil, pioneered by the Engineering Experiment Station, has changed the cottonseed milling industry in Texas, greatly increasing the capacity of Texas mills and adding much to the value of products from Texas cotton. With this process going into general use, the same laboratories at College Station are now working on a further

DISPERSAL SALE

**SELLING
109 HEAD**

(MANY WITH CALVES AT SIDE)

**99 FEMALES
10 BULLS**



**MONDAY
MAY 12**

**TEXHOMA
OKLAHOMA**

- ★ 60 Cows, mostly with calves by side.
- ★ 20 Two-year-old heifers to calve soon. Calves will be by Comet 4th.
- ★ 19 One-year-old heifers. These are my replacement heifers.
- ★ 10 One-year-old bulls, some herd bull prospects.

Some of these cattle are as good as you will find anywhere. They are good enough to go into the top herds of the nation.

This Sale Will Be Held at Augustine Live Stock Commission Company, Inc., Texhoma, Oklahoma, May 12, 1952

For catalog write A. O. Pitzer, Felt, Oklahoma or Augustine Live Stock Commission Company, Texhoma, Oklahoma

PITZER HEREFORDS

**A. O. PITZER
FELT, OKLAHOMA**

About half of the calves will be by Anxiety Lamplighter, No. 3814019, a son of The Lamplighter. This bull was bred by McSpadden of Amarillo, Texas. The rest of the calves will be by Comet 4th, No. 6159923, of straight WHR blood, a grandson of WHR Helmsman 3rd. This bull and his half brother won the trophy for the best two bulls at Clayton, New Mexico, Tri-State Hereford Show and Sale February, 1951. This bull, Comet 4th, will sell. Also Alpine Domino and BO Royal Essar 2nd will sell. Alpine Domino is a grandson of Domino Lad C 14th on his dam's side and a great-grandson of WHR Proud Mixer 21st on his sire's side and is a great individual. The bloodlines of the cow herd is WHR, TO and Hazel. These are all choice matrons.

improvement which promises even better results.

Most promising recent results in this field have been in the development of a solvent extraction process using isopropanol, on which a bulletin was published late last year. Practical means have been found for the extraction of cottonseed oil, gossypol and other substances from cottonseed meats and the subsequent separation of a high grade oil product from the impurities by liquid-liquid extraction. The work indicates that an oil product of uniform quality may be produced, regardless of seed quality, and the yield of refined oil will be appreciably greater than under other existing processes. The results of feeding tests on meal produced by this process have shown that it is of a much higher nutritional quality, free of toxic elements which other processes fail to remove.

While its new approach to public school building design was being adopted in many areas throughout the world and was acclaimed by leading national magazines in this country as establishing a trend toward more efficient and economical school plants, the architectural studies of the Engineering Experiment Station entered a new field of fundamental research on means of testing with models the effectiveness of building design for natural ventilation and lighting. Using a wind tunnel and a 10-foot lighting dome or "artificial sky," with a revolving adjustable full-scale classroom for checking accuracy of results, the station's researchers have developed new methods of determining from scale models lighting and ventilation characteris-

tics. The work so far has combined the talents of architects, physicists and aeronautical engineers and early results have attracted national comment. Already requests have come from architects as far away as New York to experiment on models for buildings under design to check lighting and ventilation. Similar studies in the relation between design and acoustics with tests on scale models are to be undertaken next year.

While the scientific marvels of research make interesting telling, they are of little value until put into the hands of the people who must use them and explained in such a manner that they can be used. This, primarily is the job of the Agricultural and Engineering Extension Services. These are the people

who take to the farms, ranches, homes and factories of the state the information developed by our scientists and others and point out their practical application in everyday living.

The Agricultural Extension Service, with its county agricultural agents and home demonstration agents in practically every county in Texas, fights a continuing battle for better production and better living in spite of drouths, insects and disease. And in spite of unfavorable weather, insect and disease plagues and serious inflation, farm and ranch living in Texas has shown steady improvement in recent years.

One of the most valuable jobs in recent years by the Agricultural Extension workers has been their selling of the idea of creep feeding calves in order to beat the drouth. This was particularly effective last year. For several years beef cattle specialists had urged farmers and ranchers to creep feed calves. But it was not until an 18-month drouth burned up Texas range lands and pastures that cattlemen realized the full value of this practice. By the end of the year, nine out of every ten cattlemen in some counties were beating the drouth by creep feeding their calves in some fashion.

When ranchmen went to market they were agreeably surprised to learn that each of their creep-fed calves weighed an average of 110 pounds more and sold for 3c more per pound than did those on an adjoining pasture that were not creep fed.

As favorable results became apparent to the ranchman who tried creep feeding



"There's been no livin' with him since he learned the price he'd bring on the current market!"

Registered Herefords 33 BULLS FOR SALE

20 priced at \$400, others up to \$650

TAKE ALL \$15,000

Here is a group of bulls, aged 13 to 26 months, of the best quality and they are **REALLY PRICED TO MOVE**. Most of them are by our top herd sire, **HUSKY'S LAD H 109th**, a Prince Domino Return bull, and his pedigree shows plenty of Register-of-Merit individuals. Their dams are of nationally known, popular bloodlines and are extremely heavy milkers, big boned, large bodied, real producers of quality cattle. They are the kind any breeder is proud to have in a producing herd. If you want really top bred bulls of select quality at this low price, see these now! They are guaranteed 100% breeders.

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LOCATION: Farm on Hy U. S. 377 just 2 miles south of Keller and 6 miles northeast of Fort Worth, Texas.

MAIL ADDRESS: Address correspondence to Fred Bursey, Mgr., Route 1, Smithfield, Texas (For mail address only).

during 1951, others wanted to know about the methods and asked for plans. A bulletin, "Creep Feeding Beef Calves," C-289, was first made available in March, 1951, and by the end of the year more than 20,000 copies had been placed in the hands of livestock feeders.

While farmers and ranchmen over the state were using county agent assistance to fight the troubles created by the drouth, 4-H boys and girls were finding that steers fed on a commercial basis would pay out. Anyone inclined to think 4-H Club steer feeding to be impractical unless for high stakes at regional shows does well to take note of accomplishments in Hamilton County. The county agent supervised 86 calves on feed among 4-H Club boys. One of these produced 525 pounds of beef in a 200-day feeding period, or an average of 2.6 pounds gain daily. Even the lowest gain was 1.1 pound per day. Sale of the steers enabled the boys to add an average of \$318.24 to their bank accounts for each steer fed. And it was accomplished at a cost ranging from \$60 to a high of \$116 per head.

This job was just one of many carried on by county agents and their partners, the home demonstration agents of Texas. At the same time a similar job in an entirely different field was being done by the Engineering Extension Service, which was trying to help Texas workers meet new problems of the changing times.

Texas' industrial upswing, spurred by war material demands, has greatly increased the activity of the Engineering Extension Service in both its municipal service and industrial training fields. Concentration of population in industrial areas has increased the problems of municipal services and called for an expansion of training programs for firemen, police and water and sewage plant operators.

Employment conditions in Texas industry are quite different from those of ten years ago, when a similar upswing occurred in preparation for World War II. At that time there were thousands of unemployed seeking work of any type. Texas was just becoming industrialized and few of the available workers were trained in the basic skills necessary for employment. The answer then was an immense job-training program. Today there are few unemployed and most of these have some industrial experience. The need has been for better management of the present working force for greater efficiency in production. The work of the Engineering Extension Service this year has placed its greatest emphasis on supervisor training.

For certain occupations there is still a need for suitable instructional material for part-time instructors in evening classes for apprentices and other employed adults. Three men worked throughout the past year on the preparation of such material in the electrical, petroleum, plumbing and pipefitting fields. Teacher training was furnished for part-time teachers and for the full-time teachers of the vocational schools and junior colleges of the state.

A total of 10,729 people were enrolled in the 498 Engineering Extension Service classes or conferences conducted in 348 Texas towns this year. They came from 864 Texas towns and represented 172 firms as well as 65 schools. More than 5,000 publications of this service have been shipped to those taking such courses this year.

Welcome Hereford Breeders Attending National Hereford Congress



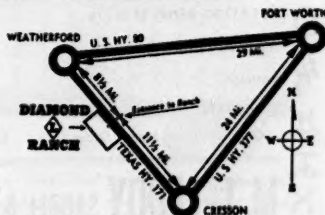
EG Royal Mixer 172d

The grandson of WHR Proud Mixer 21st has been added to our herd to mate to daughters and granddaughters of DL Domino.

While you are attending the National Hereford Congress, May 12 and 13, at Fort Worth, plan to visit Diamond L Ranch, only a forty-five-minute drive. We will attend the Congress and those of you who wish transportation, we will be glad to drive you out to the ranch.

For Sale at the Ranch 30 Heifer Calves

The majority are granddaughters of DL Domino. The others carry such popular breeding as Larry Domino, WHR Royal Domino 51st and Royal Aster 35th. They are truly top heifers.



Diamond

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Improvements Have Made the New EASY STOP HACKAMORE Even Better Than Before!

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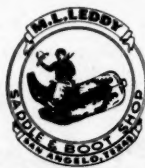
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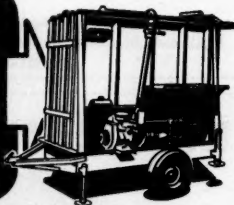
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Lice, Ticks, Grubs, Scab and Flies
... the **SPRAY-DIP** way!



SPRAY-DIP SATURATION gives you 100% kill of profit-stealing external parasites . . . and it does the job with speed, economy, and safety unmatched by any other method. Driving sprays completely drench every square inch of an animal from horns to hoof in seconds . . . penetrating the hair to the very pores of the hide with parasite killing insecticide. Recovers, filters and reuses run-off material for greater economy. It pays to *spray* the Spray-Dip way . . . puts added beef profits in your pocket. Send for **PROOF!**

Write for **FREE** literature

LIVESTOCK SPRAYER MFG. CO. 763 Coleman St., San Jose, Calif.



While these four services meet the needs of many Texas people, those in the eastern third of the state look even more to a fifth A. & M. service organization, the Texas Forest Service. In the piney woods area of East Texas the forests are not only the principal natural resource, but are an environmental factor in farming, ranching and many other activities. To the Forest Service falls the work of protecting a large part of this valuable timber land against fire, encouragement of conservation, wise use and replacement of the timber resource and research into new and profitable uses for its products.

To give some idea of the firefighting job this service undertakes, it should be realized that last year there were some 3,000 forest fires which burned some 230,000 acres in the 13,500,000-acre forest area which the service protects. This was during a period of severe drouth and the losses were heavy. To cope with this problem the Forest Service has modernized its equipment, installing the latest fire-fighting jeeps and other mobile units and replacing its 2,000 miles of telephone lines with radio equipment for faster and more certain communication. This transition, incidentally, has been a major economy as well as improving efficiency. The sale of the old telephone lines paid for all of the new radio equipment. Now the service not only has immediate communication from watchtower to headquarters and to the mobile units in the field, it also is free of the heavy expense of keeping the telephone lines in repair. Manpower thus freed can be used to prevent forest fires and to fight such fires as occur.

A small but deadly insect known as the Southern pine beetle created a tremendous amount of forest damage in the early part of the past year, killing some 25,000,000 feet of standing timber. A campaign to combat this destroyer was started soon after the first outbreak, and, where the recommended protective measures have been taken, spread of the epidemic has been halted. Cooperation was secured from the U. S. Bureau of Entomology and an aggressive program to combat this pest is under way.

The fast spreading oak wilt disease which is creating a serious threat to timber in certain sections of the state is the object of an air and ground search now under way in northeast Texas. As areas of infection are spotted from the air they will be checked for ground examination.

Reaching a new production peak of 17,800,000 seedlings at the Indian Mound Nursery in Cherokee County last year, the Forest Service was still unable to meet the increasing demand. This new record was 2,000,000 seedlings above the previous year's production and a goal of 20,000,000 has been set for this year.

A start has been made in the field of tree improvement with the addition to the staff of a tree geneticist. Trees of outstanding characteristics are being located and seed collected for planting at the nursery. Small plantations of selected seedlings will be established to determine if characteristics indicated in early stages of development carry through to mature trees. The service has joined a regional group organized at Atlanta, Georgia, for a regional tree breeding program. Work in tree breeding and hybridization is expected to be an important new field of effort.

Southwestern Exposition and Fat Stock Show Jan. 30-Feb. 8

DATES of the 1953 Southwestern Exposition and Fat Stock Show were set for January 30 through February 8 and Amon G. Carter and W. R. Watt were re-elected chairman of the board and president, respectively, at the annual membership meeting of the Fort Worth show on April 8.

The '52 show was the most successful in history, in attendance, number of entries and amount of premiums, President-Manager Watt reported. Since the show's opening date was moved from March to January, the number of entries has increased approximately 90 per cent. (The change in date was made in 1948 at the suggestion of the livestock industry to fit into the circuit of shows and to benefit the exhibitors.) The carlot-and-pen sale of bulls and the breed association auctions were very gratifying and the rodeo met with widespread praise.

Vice-President Ernest Allen, who had charge of the opening day parade through the business section, said so great was the number taking part that when the leaders reached the place of beginning to disband, the last riders were just starting.

Officers re-elected included Carter, Watt, Allen and Raymond E. Buck, secretary. J. Lee Johnson, Jr., was elected treasurer and Vivian Boswell, H. B. Fuqua, V. I. Martin, Jimmy Mitchell and Estil Vance were added to the board of directors.

W. A. (Bill) King, assistant manager of the show and livestock superintendent, reported that entries came from 29 states. Douglas B. Mitchell, assistant manager and horse show superintendent, stated that more Quarter Horses were shown than at any other show anywhere, that the 86 cutting horse entry total in the open contest was likewise a record and that the finest horses from the most famous stables competed in the gaited show.

Eighty-nine cities and organizations had special days, bringing organized delegations totaling 11,000. Boyce House, publicity director, reported. Cities of five states—Louisiana, Arkansas, New Mexico, Oklahoma and Texas—had "days".

Cattle Feeders Day May 16

THE ANNUAL Cattle Feeders' Day will be held May 16 at the Field Station one mile north of Big Spring.

Superintendent F. E. Keating announces the meeting will begin at 10:30 a. m. at the feed lots, with informal discussions of the experimental cattle.

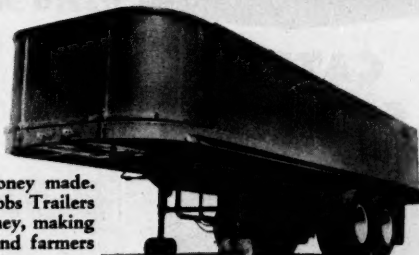
Results of the 1951-52 feeding experiments will be discussed during the afternoon session. Several other subjects of interest to cattlemen also will be presented by guest speakers, Keating said.

Luncheon will be served by the Big Spring Kiwanis Club.

Cattle feeding tests at Big Spring are conducted cooperatively by the Texas Agricultural Experiment Station and the U. S. Department of Agriculture. The principal study is on the control or prevention of urinary calculi, which is quite common in steers and bulls of the Big Spring area.

The brand is the cattleman's coat of arms. Is yours recorded?

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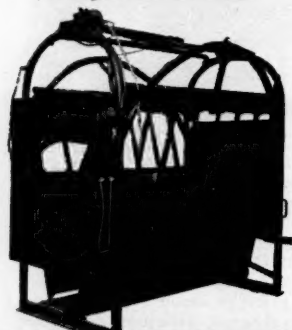
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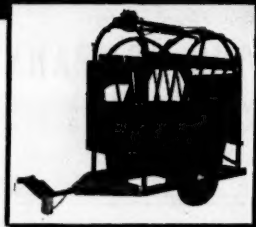
The Cattleman—Subscription rates: One year, \$2; three years, \$5; five years, \$8; foreign, one year, \$4.

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CHUCKWAGON By CHARLIE, the cook

"Ennybuddy else
got a fly in their
soup they wanta git
rid of!"



MAYBE I made a mistake . . . Because, ever since I took home that clever little garlic press—as a birthday gift for Mrs. Charlie—our little rancho has been as aromatic as a typical scullery in Naples.

Now, admittedly, garlic is without doubt one of the finest of the lilies, but there are times when its essence grows a little heavy. However, I want to tell you about Mrs. C. and the garlic butter—not so much about the garlic butter itself, but what she does with it.

She takes a bowl of softened butter or oleo, splits a few garlic pods, puts them into this nutcracker-like press, and squeezes the juice of the pods into the butter until the butter has all the odiferous quality of a late dispatch from Washington.

Then comes the part I approve of—one of the things that make that little press worthwhile. She puts a glob of this butter in a frying pan and when it's sizzling places therein a big cake of ground beef into which has been kneaded a handful of finely chopped onions.

With a finishing dash of Worcestershire it all adds up to one of the finest hamburger steaks you ever encountered. Nothing fancy about this. Very simple—but elegant. It's one of the reasons we're letting Mrs. C. keep that garlic press.

Sam Houston McGehee, who lives on a farm in St. Tammany Parish, Louisiana, writes to extoll the virtues of what he calls Spanish Style Steak, which he turns out like this:

Chop one-half pound of bacon and mix with one No. 2 can of sweet peppers, one chopped onion, four cloves of garlic and two hot peppers. Add two bay leaves, one teaspoon of oregano or thyme, one-half teaspoon of ground cloves, salt and pepper to taste. Fry together slowly and simmer half an hour with one No. 2 can of tomatoes.

"All this," says he, "produces enough sauce to pour over four steaks broiled as you like 'em."

Same Cattleman reader expresses curiosity as to our favorite method of handling ham, to which we reply as follows:

Use a 14 to 16-pound ham, almost covered with cold water. Add two cups of brown sugar, two cups of molasses, whole spices, celery tips, and two slices of onion. Simmer two hours. Let stand in same water overnight. Then cut off some of the fat, stick with cloves, cover with paste (brown sugar and bread crumbs moistened with white wine) and bake in a slow oven for one hour. Serve with creamed horseradish sauce made like this: One quart of whipped cream, one tablespoon dry mustard, three tablespoons of grated horseradish, sugar and salt to taste.

Captain E. R. Verle of Fort Worth, Texas, has a favorite prescription for good eating that he calls Chuckwagon Special, and this is the way he throws it together:

INGREDIENTS: One and one-half pounds of ground beef; one-fourth pound of bacon; one No. 2 can of pork and beans in tomato sauce; one and one-half cups of tomato catsup; one large green pepper; one medium sized onion.

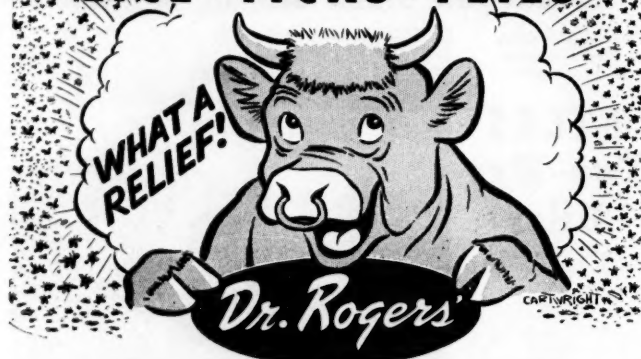
METHOD: Dice bacon in half-inch pieces and fry in medium hot pan, but don't fry bacon too crisp. Saute the ground beef in the bacon drippings, adding salt and pepper to taste. In the meantime, dice both the onion and the green pepper in quarter-inch cubes. When beef is thoroughly cooked, but not browned, combine beef, bacon, beans, onion, pepper and catsup in cooking pot and simmer together for 15 minutes, stirring occasionally. Serve with crackers.



From the requests we've been receiving seems like the demand for Sourdough Bread is increasing by leaps and bounds.

So, for the benefit of those who came in late and missed our little essay on the subject several months ago we're going to type out an encore, this one in a somewhat different key from the first pre-

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Rabies a Serious Threat

SERIOUS flare-ups of rabies in rural areas in several sections of the country have been reported recently by officials of the American Foundation for Animal Health.

Farmers in other areas were alerted by the Foundation, and urged to be particularly suspicious of strange actions by cattle, horses and other farm animals, and to report questionable cases promptly so proper safety steps may be taken.

Two of the worst flare-ups involving deaths of farm animals have been reported in Georgia and Pennsylvania. Chief spreaders of the disease in these areas are said to be dogs, foxes and other wild animals.

"In Georgia alone, authorities report that more than 500 head of rabid cattle have died," the Foundation says. "In Pennsylvania nearly 100 cattle were stricken and Governor Fine states that the incidence of rabies has reached a point where it constitutes a serious menace to the health of the people." Latest reports from Iowa veterinarians show that in non-urban areas rabies kills more cows than any other type of domestic animals.

"First signs of rabies in cattle are loss of appetite, lowered milk production, and a noticeable change in disposition. Cows become restless and jumpy. In the dumb form, the animals later become paralyzed, with death soon following. In the furious form, the animals become excited, and are liable to attack and even bite other animals or human beings."

So susceptible are cattle to rabies, that about half of all cattle bitten by rabid animals will die.

"Owners can do several things to help prevent such losses," the Foundation authorities said. "These include: (1) have a veterinarian give the Pasteur treatment to bitten animals if circumstances warrant it; (2) impound or dispose of stray dogs if infection exists or is suspected; (3) practice greater restraint of farm dogs, especially at night; (4) shoot wild animals that appear rabid; and (5) have farm dogs vaccinated against rabies."

King Ranch To Establish Ranch In Cuba

THE King Ranch, developers and breeders of Santa Gertrudis cattle, and one of the top Quarter Horse breeding establishments in the country, announces that it will expand its operations through the establishment of a ranch in Cuba.

Robert J. Kleberg, Jr., president of King Ranch, announced that Companio Ganadera Belerna, a corporation formed by the Manati Sugar Company of Cuba and King Ranch, has purchased about 30,000 acres in the Province of Camaguey on which an initial herd, consisting of 700 commercial type heifers and 100 Santa Gertrudis bulls will be placed. The ranch will also send some Quarter Horse mares and stallions.

The first cargo from King Ranch consisted of 140 heifers, 100 bulls, 40 horses and several hundred thousand pounds of ranch equipment. The remainder of the herd will be shipped as rapidly as additional sailings can be made.

Last year more than 30,000,000 acres of farm land in the U. S. were treated with herbicides ("weed-killers").

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BACA DUKE 1st . . . He Sells

Register-of-Merit Sire by Baca R Domino 33d

THE OFFERING:

There will be 315 lots offered. Six herd bulls will sell, including the great Register of Merit sire, Baca Duke 1st, pictured above. Twenty-four yearling bulls, 45 bull calves that were calved from April to December, 1951, 90 cows with calves at side, 70 bred cows, 30 bred heifers and 50 open heifers round out this tremendous offering. More than three-fourths of these cattle have been bred and raised here on the farm.

"Distinctive Cattle"

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SALE *El Chico* QUARTER HORSES

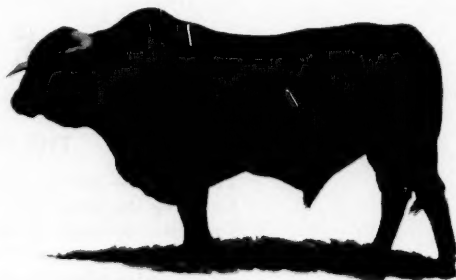
MONDAY, MAY 26
Sale Time 1:00 P.M.

featuring... "LITTLE RED DIABLO"

This is the well known O. B. McCampbell Horse (AQHA #20,286) . . . the champion quarter horse that has made such an outstanding record. Out of 28 showings he has won 21 firsts . . . 3 seconds . . . 3 thirds and 1 fourth.

ALSO — 12 (Approx.) SANTA GERTRUDIS

We have brought together some of the finest quarter horses for this sale. Their breeding and ability you will recognize. A number of the horses selling are consigned by O. B. McCampbell, Volney Hildreth and Watt Hardin.



One of the El Chico herd sires. We are selling approximately 12 Santa Gertrudis yearling bulls . . . all from certified cows and certified pure bred bulls.



El Chico Ranch is located 11 miles west of Fort Worth City limits on Hwy 80.

Ranch SALE!

and BULLS ... MON. MAY 26

Sale Time 1 P.M.

AWARDS

- GRAND CHAMPION—3 times
- RESERVE GRAND CHAMPION—6 times
- 3 FIRSTS out of 3 showings in Quarter Horse Roping; 1 first out of three showings in reserve roping.



BULLS And 58 Head of HORSES!



Rey Ricardo . . . top cutting stallion, bred by the King Ranch . . . rated one of the top 28 horses in the 1952 Fat Stock Show is included in the sale.

Included in this offering of quarter horses are 18 brood mares; 10 Bill Cody Colts, 1 to 4 year olds; 4 geldings, 18 yearlings, 4 two year old stallions of King Ranch and Cody breeding. Nine of the quarter horses in our sale are exceptionally fine Palominos.

Walter Britten is our auctioneer. Catalogues may be requested by writing to O. C. Whitaker, owner El Chico Ranch, 808 Dan Waggoner Bldg., Fort Worth, Texas. Sealed bids may be sent in care of this magazine.



El Chico Ranch is located 11 miles west of Fort Worth City limits on Highway 80

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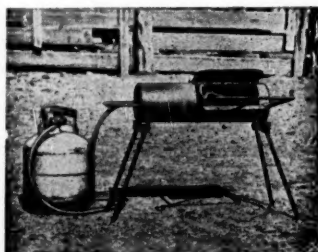
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HENRIETTA, TEXAS

Feeding Tests at Pantech Farms

By FRANK REEVES

IT COST an average of \$15.66 for each 100 pounds of gain on 131 bulls in a 140-day feeding test for beef cattle improvement investigations at Pantech Farms, according to figures released at a field day there April 11.

Pantech Farms is operated by Texas Technological College with the Texas Agricultural Experiment Station and the U. S. Department of Agriculture cooperating. W. L. Stangel, dean of agriculture at Texas Technological College, Lubbock, Texas, is director. J. P. Smith is manager and L. A. Maddox, Jr., is animal husbandman. It is located 17 miles north-east of Amarillo, Texas.

It was pointed out that very large individual differences in growth when the animals are self-fed the same growing ration under the same conditions have shown to be largely due to heredity. For this reason, self-feeding of the same growing ration to young animals at the same time and place will give different rates of gain, and these rates of gain should serve as an indication of the beef producing breeding value of the individual and its sire.

The test was started November 20 with a ration of 25 per cent cane fodder, 25 per cent hegari fodder, 20 per cent alfalfa hay, 15 per cent cottonseed meal and 15 per cent hegari grain. This ration was used throughout the 140-day feeding test, but had to be altered at times during the fifth feeding period because of the lack of uniformity of the feeds used. When the hegari bundles had very little or no grain, the milo grain was increased to 20 per cent and the fodder reduced to 45 per cent.

Reports disclosed that on the average it required 785 pounds of feed to make 100 pounds of gain. This 785 pounds of feed consisted of 387 pounds of fodder, 157 pounds of alfalfa, 124 pounds of milo and 117 pounds of cottonseed meal. Not counting the labor and other expenses necessary to grind and mix the feed, the feed cost \$1.99 per 100 pounds, making the cost for 100 pounds of gain \$15.66. The bulls were self-fed.

The 36 pens of bulls, ranging from three to four bulls each, came from 28 breeders. The 131 bulls had an average initial weight of 574 pounds and the final average weight was 936 pounds. This showed an average gain of 362 pounds or 2.58 pounds daily gain for each bull. There were 32 pens of Herefords and four pens of Aberdeen-Angus bulls—all registered.

Thirty-three heifers received the same feed, but it required 962 pounds of feed to produce 100 pounds of gain, making cost for the heifers \$19.21 for 100 pounds as compared with \$15.66 for the bulls.

Breeders who had bulls in the test were all from Texas and were:

Max A. Blau, Booker; Brown and Davis, Throckmorton; R. A. Brown & Son, Throckmorton; A. B. Carruth, Pampa; George Coffee, White Deer; Colby Conkwright & Son, Hereford; Travis Dameron, Amarillo; Paul Dauer, Panhandle; Lawrence Ellzey, Perryton; C. J. Frantz & Sons, Waka; Jack Frost Ranches, Hereford; W. M. Goode, Floydada; C. A. Hoover, Perryton; R. H. Holland, Perryton.

Emmett LeFors, Pampa; John F. Lewis, Floydada; McQuiddy Brothers, Higgins; L. A. Maddox, Sr., Miami; Ray-

mond Nelson, Miami; R. L. Newton, Lark; M. C. Overton, Jr., Pampa; Max Pearson, Garnsworth; Roger Pearson, Perryton; Percy Powers, Perryton; Lee Richardson, Stinnett; E. C. Reinauer, Hereford; B. L. Smith & Son, Swearingen, and M. H. Smith & Son, Canadian.

The highest scoring pen of bulls made an average daily gain of 3.10 pounds for the 140-day period. They were owned by Emmett LeFors, Pampa, and were sired by Regal Prince No. 5354763. These three bulls had an average age of 260 days. Their average initial weight was 564 pounds and average final weight was 999 pounds. They made an average gain of 435 pounds to show an average daily gain of 3.10 pounds.

Another pen of three bulls owned by LeFors made the second highest rating, 3 pounds daily gain. They were sired by WHR Regality 37th, No. 5175227. Their average age was 284 days. Their average initial weight was 596 pounds and the average final weight was 1,018 pounds to show an average gain of 421 pounds.

This pen of bulls supplied the highest daily gaining individual bull with a mark of 3.50 pounds for the test period. He entered the feeding test weighing 496 pounds and ending by weighing 986 pounds, showing a gain of 490 pounds.

Second highest scoring individual bull was one from a pen owned by C. J. Frantz & Sons, Waka. He entered the test weighing 610 pounds and ended weighing 1,098 pounds for a gain of 488 pounds to register a daily gain of 3.49 pounds.

There were 12 individual bulls that averaged three pounds or more for daily gains for the 140-day period.

The next 22 pens of bulls ranked in the following order:

Raymond Nelson, Miami; sire, HHR Dr. Domino No. 4227332.

Three bulls averaged 227 days, initial weight 466 pounds; gained an average of 416 pounds; average daily gain 2.97 pounds.

Paul Dauer, Panhandle; sire, HHR Dr. Domino 16, No. 4710471.

Four bulls average age 247 days, initial weight 470 pounds; average gain 406 pounds; average daily gain 2.90 pounds.

George Coffee, White Deer; sire, HHR Dr. Domino 16, 4710471.

Four bulls average age 376 days; initial weight 746 pounds; average gain 401 pounds; average daily gain, 2.86 pounds.

C. J. Frantz & Sons, Waka; sire, Baca R. Domino 17th, 3576316.

Four bulls average age 322 days; average initial weight 554 pounds; average gain 400 pounds; average daily gain 2.86 pounds.

McQuiddy Brothers, Higgins; sire, Pride Eric V, 1014453.

Four bulls average age 229 days; average initial weight 447 pounds; average gain 398 pounds; average daily gain 2.84 pounds.

Lawrence Ellzey, Perryton; sire, H. Prince Return 6, 3710805.

Three bulls average age 283 days; average initial weight 584 pounds; average gain 398 pounds; average daily gain 2.84 pounds.

Lee Richardson, Stinnett; sire, Lord Lamplighter 5th, 5227543.

Three bulls average age 318 days; average initial weight 577 pounds; aver-

age gain 397 pounds; average daily gain 2.83 pounds.

John F. Lewis, Floydada; sire, Priniceps Domino, 15499135:

Four bulls average age 249 days; average initial weight 577 pounds; average gain 375 pounds; average daily gain 2.68 pounds.

R. H. Holland, Perryton; sire, C. K. Royal Duke 6th, 5111108:

Four bulls average age 241 days; average initial weight 712 pounds; average gain 374 pounds; average daily gain 2.67 pounds.

M. C. Overton, Jr., Pampa; sire, K. Club Mixture 22nd, 4312405:

Four bulls average age 341 days; average initial weight 588 pounds; average gain 369 pounds; average daily gain 2.63 pounds.

C. A. Hoover, Perryton; sire, Doctor Don Domino, 3836606:

Four bulls average age 336 days; average initial weight 823 pounds; average gain 368 pounds; average daily gain 2.63 pounds.

B. L. Smith & Sons, Swearingen; sire, Advance Domino 165th, 4679626:

Four bulls average age 303 days; average initial weight 514 pounds; average gain 365 pounds; average daily gain 2.61 pounds.

C. J. Frantz & Sons, Waka; sire, OJR Seth Domino 6th, 5107872:

Four bulls average age 307 days; average initial weight 544 pounds; average gain 364 pounds; average daily gain 2.60 pounds.

Travis M. Dameron, Amarillo; sire, JO Royal Lad 23rd, 5458391:

Three bulls average age 292 days; average initial weight 646 pounds; average gain 362 pounds; average daily gain 2.58 pounds.

L. A. Maddox, Sr., Miami; sire, HHR Dr. Domino 11th, 4455156:

Three bulls average age 224 days; average initial weight 527 pounds; average gain 360 pounds; average daily gain 2.57 pounds.

Max R. Pearson, Farnsworth; sire, Coquette's Bandolier 2nd, 678068:

Four bulls average age 276 days; average initial weight 593 pounds; average gain 360 pounds; average daily gain 2.57 pounds.

A. B. Carruth, Pampa; sire, A. B. Royal Domino, 5054460:

Three bulls average age 261 days; average initial weight 644 pounds; average gain 360 pounds; average daily gain 2.57 pounds.

W. M. Goode, Floydada; sire, Capitola Supreme, 4948668:

Four bulls average age 286 days; average initial weight 591 pounds; average gain 358 pounds; average daily gain 2.56 pounds.

Brown & Davis, Throckmorton; sire, Clyde Triumph 1st, 5731959:

Four bulls average age 266 days; average initial weight 561 pounds; average gain 356 pounds; average daily gain 2.54 pounds.

Robert L. Newton, Lark; sire, Doctor Lamplighter, 5409828:

Three bulls average age 225 days; average initial weight 384 pounds; average gain 356 pounds; average daily gain 2.54 pounds.

Max A. Blau, Booker; sire, B. Royal Rupert 10th, 5864261:

Four bulls average age 220 days; average initial weight 478 pounds; average gain 353 pounds; average daily gain 2.52 pounds.

M. C. Overton, Jr., Pampa; sire, Plus Blanchard 79th, 4994535:

Four bulls average age 296 days; aver-

STOP
FIRES
FAST with

INDIAN FIRE PUMPS

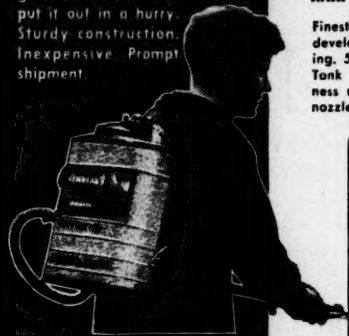
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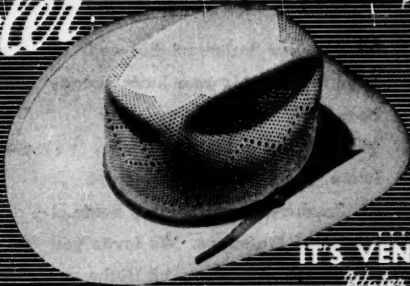
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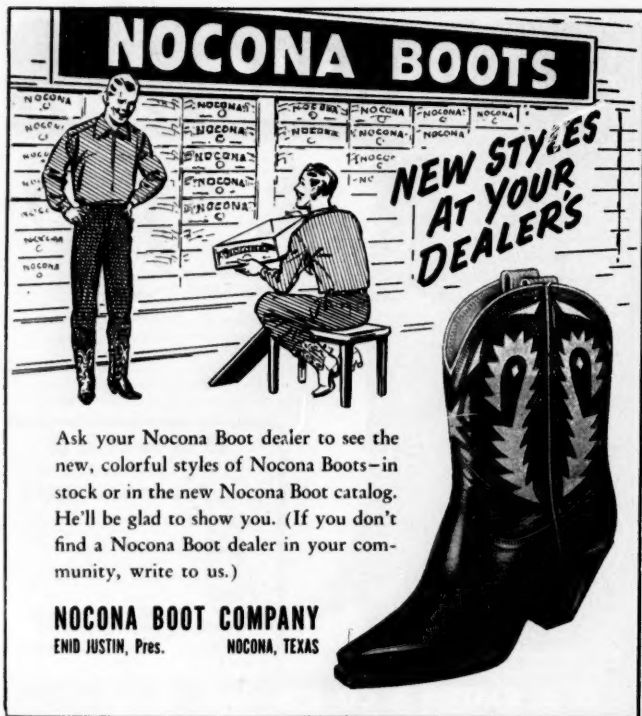
Yes, this stylish perforated hand woven genuine brisa panama is COOLER—The ventilated crown makes it a pleasure to wear in the warmest weather... Stylish crease blocked in under pressure... Welled brim edge available in 3" or 3½" widths. Because of the individual hand workmanship—perforations may vary from design shown above. **ONLY \$12.50**

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age initial weight 533 pounds; average gain 348 pounds; average daily gain 2.48 pounds.

Stangel described Pantech Farms as a laboratory for Texas Technological College to serve agriculture and livestock.

L. A. Maddox, Jr., animal husbandman, said age has little to do with gains under the feeding conditions at Pantech Farms.

George Ellis, manager of the Bell Ranch of New Mexico, expressed the belief that cattlemen can increase the weights of their cattle without changing the type by selecting breeding stock that make good gains, a character he described as hereditary.

Jack Williams of Paint Rock, Texas, told the cattlemen that it has been his observation that cattle that make good gains in the feedlot will do well on the range.

Dr. J. C. Miller of Texas A. & M. College stressed the importance of animals that make economical gains.

Sutherland Quarter Horse Sale

THE R. Q. Sutherland Quarter Horse Dispersal Sale at Overland Park, Kansas, on April 8, was one of the better sales to be held in the history of the Quarter Horse breed. About 500 buyers from all parts of the nation attended the sale.

Thirty-four horses went through the ring for an average of \$1,031.

The buyers represented the states of New York, Ohio, Kansas, Missouri, Washington, Michigan, Oklahoma, Montana, Minnesota, Nebraska, West Virginia, Texas, and South Dakota.

Top mare was the four-year-old cutting mare, Our Money. She was sired by Red Star Joe, and out of the famous Old Money by Bert. She went to George J. Pardi, Cincinnati, Ohio, for \$5,000.

The highest priced stallion of the sale and the second highest priced individual was the two-year-old cutting horse prospect, Kansas Jim, sired by Fred Martin, and out of the several times grand champion, M's Laberta, who sold to Bill Martin, Winthrop, Minn., for \$3,500.

Top brood mare of the sale was the famous thirteen-year-old Star Lucy, an own daughter of Oklahoma Star out of Bay Lucy by Chief P-5. The successful bidder was Charles Zuger, Waitsburg, Wash., who was also the biggest buyer of the sale, purchasing five head for a total of \$5,975.

Gene Watson of Hutchinson, Kans., was the auctioneer. The sale was under the management of Art Beall Sales Management Service, Bartlesville, Oklahoma.

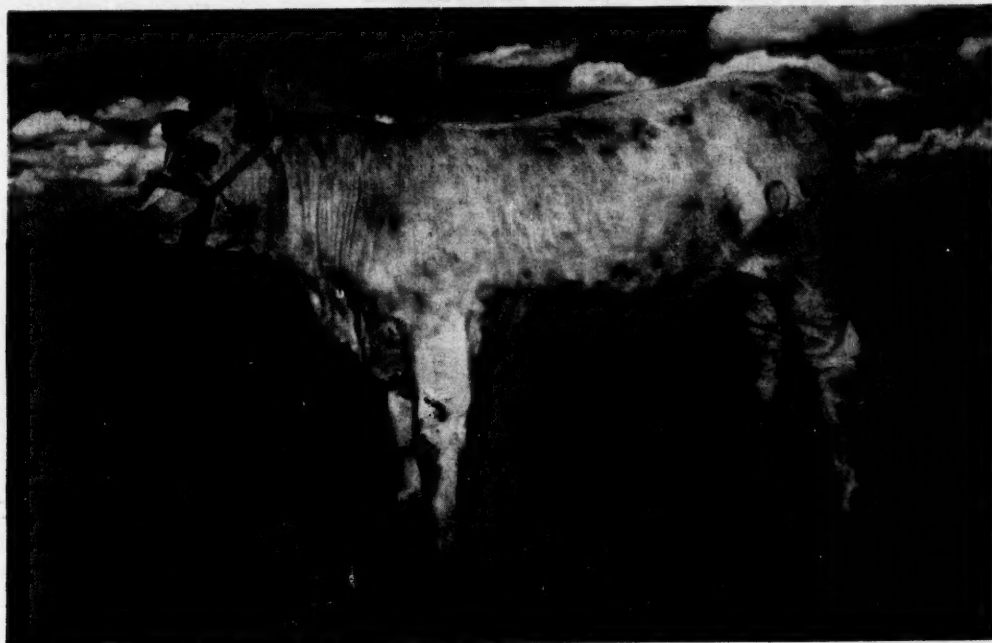
XIT Hereford Breeders Elect Omer Meeks President

THE XIT Hereford Breeders Association meeting in Dalhart recently, elected Omer Meeks, of Hartley County, president and P. J. Fronger, of Sherman county, vice-president. W. H. Green of Dallam county is secretary-treasurer.

Directors of the association are: Joe McDade of Union County, N. M.; Merritt Swinburne of Cimarron county, Okla.; Charles Sheldon of Moore county, and Clyde Latham of Hartley county.

The association serves five counties in the tri-state area and holds its annual show and sale in Dalhart each January.

Write for information about the Texas and Southwestern Cattle Raisers Association, Henry Bell, Sec'y, Fort Worth.



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Harl R. Thomas
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Fred W. Turner
Turner Ranch
Weslaco, Texas

All Breeders Listed Are Members of American Charbray Breeders Ass'n, 111 W. 4th St., Weslaco, Texas

Inheritance of Dwarfism

By J. L. LUSH and L. N. HAZEL, Iowa State College

ARE beef cattle, regardless of breed, being bred toward such a type that they just naturally will produce many dwarfs? Search of much evidence has not yet pointed a finger clearly at any feature of type which seems responsible. Dwarf calves are produced by cows and bulls that differ greatly in type. A small group of breeder judges recently made a careful and well-planned effort to pick out the dwarf-producing cows from the others in herds with which these men were not familiar but in which dwarfs were occurring. They were not able to distinguish dwarf-producing cows from others that had produced only normal calves. Their opinions, based on shape of head, length of body, height from the ground, and anything else they could see, were no better than blind guesses. For instance, one cow that had a record of three dwarfs, sired by different bulls, was classified by these breeder judges as very old-fashioned in type, and her head was anything but modern.

Along with this is the fact that dwarf calves are known to have appeared in one beef breed as far back as 1910 and in another they began showing up during the 20's. Most breeders will readily admit that beef type of today is vastly different from that which was the accepted standard as far back as 30 to 40 years ago when these earlier dwarfs appeared.

Dwarfs or semi-lethals of one kind or another have been found in all beef breeds and most of the dairy breeds. (A lethal gene is one that kills any animal which inherits it from both parents. Usually no noticeable outward effect at all is produced in an animal that inherits the lethal gene from one parent and a normal gene from the other parent.) In a few instances, dwarfs have occurred even in first crosses between

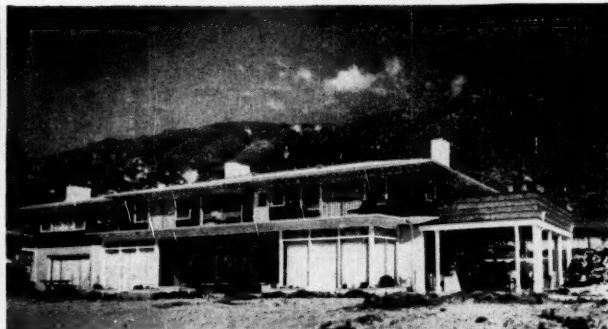


"He says the judges must have run out of ribbons before they got to him at the livestock show! Should I tell old innocent?"

some of these breeds. Definite studies on the most common of these types of dwarfism indicate a single inherited factor or gene as the cause. Accumulated data indicate this dwarfism to be a simple recessive trait. In plain terms, this means that when proven "carriers" or dwarf producers are mated they will get dwarf calves one out of four times on the average. The catch or difficulty in this situation is that, although three-fourths of the offspring of such matings are expected to be normal in appearance, yet two-thirds of these will be carriers—just like their parents. Up to the present time, we have no sure way of finding by inspection which cattle among those that look normal are carriers, and which are non-carriers.

The evidence that this dwarfism is a simple Mendelian recessive is the subsequent performance of cows and bulls, each of which had already proved itself a carrier by producing at least one dwarf. If this dwarfism is a simple recessive, one-fourth of the calves from mating such bulls to such cows would be expected to be dwarfs. Actually, 266 calves from such matings were found. They were from many different herds and bloodlines. Of these, 69 were dwarfs and 197 were normal, which is very close to expectation. This dwarfism is not tied up with sex. It is genetically entirely different from other small but more or less normal conformations, such as the compact or compact types.

Inbreeding has been blamed by some breeders as the probable cause of this trouble. This idea has often seemed plausible, because in some herds the trouble was first experienced when half



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Adjacent is a spacious, ocean-front dining room with kitchen, pantry and a two-bedroom suit for servants. Also on the ground floor there is a complete guest unit of bedroom, fireplace and bath opening out on the front terrace, beach and sea.

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brother by half sister matings were made. These and other similar close matings can result in dwarf calves but would not and cannot do so unless both parents happen to be carriers. No amount of inbreeding or close breeding will result in any dwarf calves if the trait is not carried by the parent animal. On the other hand, completely unrelated animals can and do produce dwarfs when, as sometimes happens, both parents are carriers.

When a carrier bull is used on a herd of cows that are non-carriers, one-half of the resulting calves, on the average, will be carriers. These carriers can produce dwarfs if they are mated to other carriers. In other words, using a carrier bull in a clean herd will not result in any immediate dwarf calves, but the seed is being planted for dwarfism in the following generation if a second carrier bull is introduced into the herd. Since both parents are equally responsible when any dwarf calves appear, it is not correct to assume that the bull is more responsible than the cows or vice versa. Also, it is wrong to assume that all animals in a family or strain are tainted or guilty just because one or two animals in that family or strain have produced dwarf calves. Such is not the case. Even full brothers or sisters to a dwarf can be either carriers or entirely free of any tendency to transmit dwarfism. A breeding test with known carrier cows is the only conclusive way to discover whether or not a prospective herd sire is a carrier.

Where trouble has shown up in a herd, the owner may at first think that the best course to follow is to sell off the offending cow or cows immediately, but such is not the very best use to make of such cows. These particular cows are the very best material for testing out young or unproven sires, especially in larger herds. Such tester cows should be treated as grades, however, and even normal calves from them should not be registered, since about half of such calves will be carriers, even if their sires were not. When a prospective herd sire is mated to not less than ten, but preferably 12 to 15 such carrier cows without any dwarf calves resulting, it is fairly certain that such a sire cannot transmit dwarfism at all. He can be accepted as a fairly safe risk for the first step in a clean-up program. (If a bull really is a carrier, his chance of passing such a test undetected is only about 1 in 18 if he sires 10 such test calves and only about 1 in 75 if he sires 15.) Other replacement sires to follow him should be tested in the same way. If they are by such a bull tested thus and out of cows free of any dwarf-producing history, they will be more likely to pass the test. Any bull that has certainly sired even one dwarf is just as guilty and as dangerous to use as a bull that has sired a dozen. There may appear to be exceptions to this when records are examined in different herds, but these are chance variations to be expected where numbers are small. According to all facts known at present, the wise breeder who is definitely interested in cleaning dwarfism out of his herd, will act in accordance with that belief.

Again it is well to remember that the appearance of dwarfs is not tied up with any particular breed, type, size or blood line, and that its occurrence in one line or family should not be accepted as a blanket indictment against that entire group. Any proven carrier bull will sire approximately one-half clear or non-

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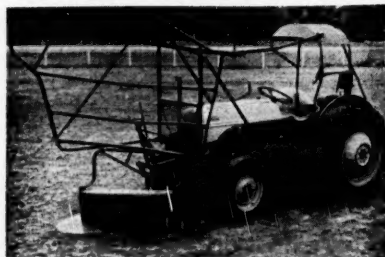
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carrier offspring when mated to clear or non-carrier cows. When mated to carrier cows, about two-thirds of his normal calves will be carriers and one-third will be clear. If one can identify the non-carriers among his offspring from their production records, keeping them in the herd as long as they are useful is a helpful and important step in working out the problem. Such identification by trying them on special tester stocks is feasible for bulls, as indicated, but not feasible for cows because any one cow can have only a few calves. As yet the cows can only be divided into two groups—cows that have produced dwarfs and cows that have not. The former are known carriers. The latter may be either non-carriers or carriers not yet detected.

If we can discover how to tell the carrier animals from the clear ones merely by physical inspection, that will make such progeny testing or any pedigree estimation of the probability for dwarfness unnecessary and will simplify clean-up procedures greatly. Although we have not yet found how to do that and possibly we may never be able to do so, yet that ability would be worth so much practically that continued search for clues seems highly worthwhile.

**Lard Output Second Highest
In Nation's History**

POINTING out that lard is one of the major products of the livestock and meat industry, the National Live Stock and Meat Board reports that the lard output last year of 2,909,000,000 pounds was the second highest in history.

The per capita consumption of lard last year, according to the Board, was 14.2 pounds as compared with an average of 11.0 pounds consumed per person during the five-year period, 1935-39.

A cross-sectional survey of the nation's homemakers made by the Board has revealed the popularity of this food product in the nation's kitchens. This survey showed that 52 per cent of these homemakers use lard in making cakes, 62 per cent use it in making pies and 76 per cent use it in making cookies.

Through a year-round educational program the Board is emphasizing the importance of lard in the preparation of the above and other foods. Approximately 16 recipes using lard are demonstrated in each of the Board's four-day cooking schools which are carried on in cities across the country. One-day special lard cooking programs are also staged before groups of homemakers, as well as home economics students. In addition, special literature showing the value of lard in quantify cookery is given distribution among hotels, restaurants and other public eating establishments.

Among the points being stressed in the Board's program for lard are that it is 97 per cent digestible, prevents and cures certain skin diseases, contains certain food elements necessary for growth and health, is high in energy value, excels for pie crust, is excellent for making cakes, adds richness and flavor to other foods, is a good fat for frying, and is an economical fat.

Production goals for 1952 call for 15 per cent more corn, 14 per cent more barley, 18 per cent more wheat, 29 per cent more grain sorghums, and a 16,000,000 bale cotton crop.

Texas Horses Dominate Tucson Cutting Horse Show

OF sixty-one cutting horses entered in the novice and open cutting horse events of the Tucson Livestock Show, twenty-six head were from the state of Texas and better than a third of these drew down purses in the finals. In the novice event Stormy, owned and ridden by Philip Williams of Tokio, Texas, won in both the preliminary and final go rounds, collecting 287 points and \$247.28 in prize money. Duchess Bonnie, owned by Jim Calhoun of Cresson, Texas, with Doc Saunders up, won second place while Snipper Sox, owned by Gay Cope-land of Sonora, Texas, with Ed Rogers up, placed third. Another Texas horse, Copper ridden by Guy Horrel split fifth and sixth money.

In the open event Woodie, from the Wilkins Ranch in Nevada, with Bob Collins up, took first with 293 points and \$1,222.19 in prize money. Second place went to Little Tom W with Philip Williams up. Jesse James with Elmo Favors up, won third place. Fifth, sixth and seventh places also went to Texas horses.

Judges for the cutting horse events were Charlie Araujo of Coalinga, Cal., and Hyde Merritt of Cheyenne, Wyo.

In the halter classes Charlie Araujo placed Settle Up in the champion Stallion spot. He is owned by Mrs. Franklin B. Cox of Chandler, Ariz. The reserve championship went to Ziegler, owned by E. E. Wake of El Centro, Cal.

In the mare class top honors went to Topsy K, owned by D. D. Stewart, with Little Egypt, owned by Finley Ranches of Gilbert, Ariz., in the reserve position.

Cotton Eye Joe, ridden by Del Haverty of Benson, Ariz., won the calf horse contest and V. F. Traveler with Eldon L. Smith of Central, Ariz., up, took first in the stake horse event.

At the Quarter Horse auction held in connection with the show, twenty head brought a total of \$7,350 for a rather disappointing average of \$367.50.

B. R. Blankenship Heads West Texas Hereford Breeders

B. R. BLANKENSHIP, Abilene, was elected president of the West Texas Hereford Association at its annual meeting held recently at Abilene. Lee C. Atkinson, Throckmorton, was elected vice-president and Mrs. Rupert Harkrider, Abilene, was reelected secretary-treasurer.

The following directors were elected: Dortha Griffin, Lawn; Jay Pumpfrey, Old Glory; W. J. Largent, Merkel; W. J. Fulwiler, Abilene; R. I. Bowen, Coleman; W. S. J. Brown, Merkel; D. H. Jefferies, Abilene; Henry Arledge, Seymour; Lee Smith, Knox City; Gail Dudley, Comanche; Leland Wallace, Big Spring; Heston McBride, Blanket; Roy Largent, Merkel; Earl Guitar, Abilene; Guy Caldwell, Abilene.

The committee in charge of the association sale which will be held at Abilene December 1 is composed of: Roy Arledge, chairman; Jay Pumpfrey, Roy Largent, Henry Arledge, H. C. Stanley, Abilene; Carly Hays, Abilene, and D. H. Jefferies, Abilene.

Write for information about the Texas and Southwestern Cattle Raisers Association, Henry Bell, Sec'y, Fort Worth.



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Winners In Quarter Horse Show at Monahans

BABY MAC C, owned by Buster Cole, Midland, Texas, was named grand champion stallion of the Quarter Horse show held at Monahans, Texas, recently. Wimpy's Doanie, owned by G. C. Nobles, Midland, was grand champion mare.

Clarence Scharbauer, Midland, showed the reserve champion stallion, Scharbauer King, and Fairy Princess, owned by Tom Elrod, Odessa, was reserve champion mare.

Awards by classes follow:

Stallions foaled in 1951—1, Bon Lo, Ray Claver, Ft. Stockton, Texas; 2, Beau Mac, R. J. Bauer, Kermit, Texas; 3, Unnamed, B. R. Scown, Monahans, Texas.

Stallions foaled in 1950—1, Fish Huck, Marvin Fisher, Andrews, Texas; 2, One Jump, T. C. Stoner, Alpine, Texas; 3, Rocky Joe Mac, Ollie Dell McDaniel, Monahans, Texas.

Stallions foaled in 1949—1, Scharbauer King, Clarence Scharbauer, Midland, Texas; 2, Jo Bo, James King, Monahans, Texas; 3, James Stormey, D. L. Bell, Monahans, Texas.

Stallions foaled in 1948 or before—1, Babe Mac C, Buster Cole, Midland, Texas; 2, Keelo, Ray Claver; 3, Wm. Goodpasture, Wm. Goodpasture, Lubbock, Texas.

Fillies foaled in 1951—1, Shampy H. E. L. Hallmark, Sierra Blanca; 2, Cow Mama's Star, A. B. Carter, San Angelo, Texas; 3, Goldie, R. B. Croft, Monahans, Texas.

Fillies foaled in 1950—1, Fairy Princess, Tom Elrod, Odessa, Texas; 2, Lady May E. Tom Elrod; 3, Joy Joy, Jack Kimble, Monahans, Texas.

Fillies foaled in 1949—1, Obeca Ballard, Shug Ballard, Odessa, Texas; 2, Olive Oil, D. L. Wells, Wickett, Texas; 3, Jane Lo, Ray Claver.

Mares foaled in 1948 or before—1, Wimpy's Doanie, Gerald C. Nobles, Midland, Texas; 2, Black Diamond, D. L. Bell; 3, Two Jump, T. C. Stoner, Alpine, Texas.

Spring Horse Fair At Albuquerque June 13-15

PLANS are underway for a large scale Spring Horse Fair to be held in Albuquerque, New Mexico on June 13, 14, and 15. This Horse Show is planned to be an annual spring event of the New Mexico State Fair. Registered horses of all major light horse breeds will be included.

Starting Friday morning, June 13, it will hold through Sunday afternoon, June 15. Halter classes will fill the mornings, with afternoons and evenings given over to performance.

This will be an approved, official, Horse Show. Quarter Horse classes, sponsored by the New Mexico Quarter Horse Association will be held under the show rules of the American Quarter Horse Association. The Palomino show, sponsored by the New Mexico Palomino Exhibitors Association will be held under the show rules of the Palomino Horse Breeders of America. Events for American Saddle Breds, Tennessee Walkers, Arabians, Hunters and Jumpers will be under the direct supervision of the American Horse Show Association and will include breeding classes. There will also be a children's open horse show. Other special events are scheduled.

The premium list provides for both liberal cash prizes and trophies. Special awards will be given by NMPEA and NMQHA to champion stallions and champion mares of their respective breeds.

For show catalog and entry blanks write to Leon H. Harms, Secretary-Manager, Box 1693, Albuquerque, New Mexico.

"I enjoy reading The Cattleman very much." Alvin Becker, San Antonio, Texas.

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Busy Year for Jack County Fire Fighters

By ROGER LETZ

THE Jack County Rural Fire Fighters Association, one of the first organizations of its kind in Texas, had a busy year in dry 1951 and may well be proud of its effectiveness as a fire fighting outfit.

Organized in 1947 as a non-profit organization, it has grown from a one-truck department located in Jacksboro to a four unit fire-fighting team with trucks in different towns in the county.

Chief purpose of the organization is to suppress grass fires on ranches, according to Fire Chief Buck Davis of Jacksboro. Davis reported that the department made 75 grass fire calls in 1951 and that the estimated number of acres of grass burned was 22,500. Fires ranged up to 10,000 acres in size, Davis claims. According to the record he keeps in his office, most of these 75 grass fires were small in size. This means that the voluntary ranchers who are fire fighters got to the fires in plenty of time to control the burning before the fire had a chance to spread over a large acreage.

Being able to get there in time is the most important thing, Davis claims. The addition of a new unit in Perrin and one in Bryson to augment the two units in Jacksboro has contributed a lot to "getting there in time." Both Perrin and Bryson have fire fighting organizations of local ranchers and townspeople. When a fire breaks out in their part of the county they don't have to wait for the Jacksboro trucks before they can go to work.

In addition to fighting grass fires the organization answered 21 calls on such fires as burning houses, barns, haystacks and oil fields.

The association estimates that a grass fire kills from 20 to 90 per cent of the grass and it takes from two to five years for grass to come back to the stand it was before the fire. Based on an average lease value of \$2.50 per acre in Jack County, it is easy to figure that a fire can be mighty expensive to a rancher.

Davis says that most fires are small and average 15 to 20 acres. When a big

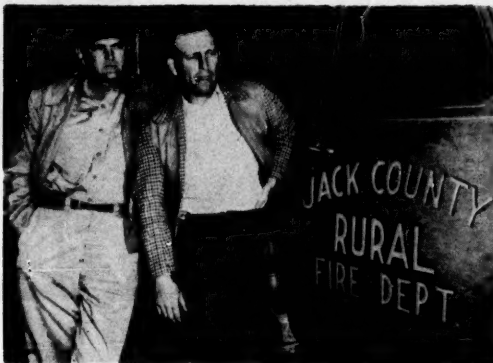
fire gets started as many as 200 men from all over the county have contributed labor in fighting it. Main causes of fires are carelessness on the part of individuals, lightning, burning trash, railroad engines, oil well flares and willful destruction, Davis claims.

Henry James Richards, Jacksboro rancher, is president of the association. He says that the organization is financed by donations from interested ranchers wanting protection. The only donation from tax sources the association has ever received was \$300 from the Jack County Commissioners Court. The normal donation from landowners is one cent per acre, although many have given much more.

J. W. Hulsey, Jack County agricultural agent and secretary of the associa-

Buck Davis, left, and Henry James Richards, fire chief and president of the Jack County Fire Fighters Association, are part of an organization dedicated to reducing damage caused by grass fires in Jack County, Texas.

—The Cattleman
Photo



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TOM COWART

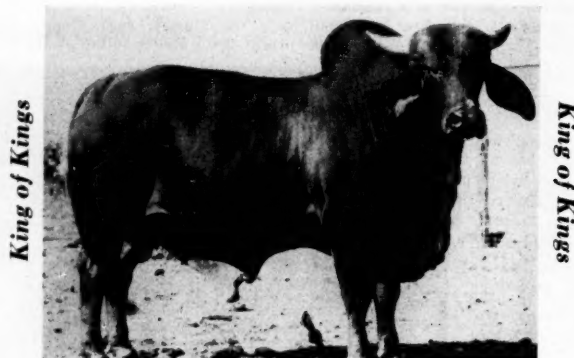
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The recent purchase of (two white and three red bulls) all full-blooded bulls from Pierce Ranch, Wharton County, Texas, clears the way to make an offer at this time the sale of a number of bulls coming four years old, directly out of Rio Negro, Gaucho and Precioso.

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tion, has been an ardent supporter of the organization. John K. Hackley is treasurer and J. T. Roney is vice-president.

The fire trucks are equipped with a portable putt-putt engine that can pick up water from a ditch, a tank or a creek to refill the truck's storage tank. Since the trucks can't always get right up to a fire because of their size and weight and rough country to travel over, each unit has been equipped with portable "Indian Fire Fighters," which can be carried easily and refilled from the truck when empty.

Jinkens Quarter Horse Dispersion

SUMMARY

50 Head	\$52,675; avg.	\$1,051
36 (Jinkens)	45,200; avg.	1,256
14 (Hildreth)	7,475; avg.	534

THE Jinkens Brothers Quarter Horse dispersion, held at the Jinkens Ranch near Fort Worth April 5, featured the breeding of King Ranch horses and attracted many horsemen who were anxious to buy some of the top quality horses in the offering, many of which had been winners at major shows.

Topping the sale at \$8,100 was Rey Del Poblano, or Cuban Red, a grand champion stallion by Rey Del Rancho. He was grand champion Quarter Horse stallion at the State Fair of Texas in 1951 and at the Southwestern Exposition and Fat Stock Show at Fort Worth in 1952, as well as champion and prize winner at a number of other shows. After a spirited bidding battle he was bought by Claude Cowan, Fulda, Texas.

Pekky AQHA P-21985, an outstanding chestnut mare by Peppy, P-212, sold for \$8,000 to Sumner Pingree, Havana, Cuba. She had also won a number of prizes at major shows.

Buckskin Josie, AQHA 3118, by Pretty Boy and out of a Yellow Wolf bred mare, sold for \$5,400 to W. P. Walker, Luling, Texas. She had been bred to One Eyed Hippy. Walker also paid \$3,500 for Miss Marita Nita by Chamaco and \$3,300 for Omega, by Babe Grande, with a filly colt at side.

Billy Cogdell, Snyder, Texas, paid \$1,800 for Hippy's son, a sorrel gelding by One Eyed Hippy; and Elbert Sides, Coffeyville, Miss., paid \$1,150 for Pat Jenkins, a dun stallion by One Eyed Hippy.

Volney Hildreth, a neighbor of the Jinkens sold a number of horses in the sale.

Walter Britten was the auctioneer.

Northwest Oklahoma Cattlemen Meet in Woodward May 8

THE seventh annual meeting of the Northwest Oklahoma Cattlemen's Association will be held at Woodward, Okla., on Thursday, May 8th. Internationally known guest speakers, with a business session, a big barbecue and an entertainment will make up the program for the annual meet.

Hal Cooper, Fort Supply, will retire as president, and Roy Craig, Leedey, will become the president for the ensuing year. This is according to the by-laws of the organization.

An anticipated attendance of around 750 members, their families and guests, from the ten counties in northwest Oklahoma and the surrounding territory, will attend the meeting, according to John Chenoweth, Woodward, secretary for the association.

Cattle on Feed, April 1, 1952

THE number of cattle on feed for market in the eleven Corn Belt States on April 1 was three per cent more than a year earlier, the Bureau of Agricultural Economics reports. The increase was probably equivalent to about 80,000 head. Increases occurred in all of the Corn Belt States except Ohio, Missouri and Kansas.

The increase of three per cent in the number of cattle on feed on April 1 for the eleven Corn Belt States compares with an increase of 6 per cent on January 1. The Eastern Corn Belt States showed nine per cent more cattle on feed on April 1 than a year ago, with increases of 15 per cent in Indiana and Michigan and 10 per cent in Illinois and Wisconsin. The Western Corn Belt States show about as many cattle on feed for market as a year earlier. Increases of three per cent in Iowa and South Dakota and two per cent in Nebraska and Minnesota were offset by declines of eight per cent in Kansas and 10 per cent in Missouri.

In California, the number of cattle on feed on April 1 is 20 per cent larger than a year ago. This compares with an increase of 60 per cent on January 1, 1952, over the preceding January. Imports of stocker and feeder cattle into California during January and February were about 10 per cent smaller than for the same months a year earlier. The number of cattle on feed on April 1 in Idaho was 51,000 head, 18 per cent below the 62,000 head on feed April 1, 1951. Idaho feeders report they intend to market about 80 per cent of the number before July 1, compared with 71 per cent a year ago. Reports from Colorado indicate there are about 10 per cent more cattle on feed on April 1 than a year ago. This compares with an increase of 31 per cent on January 1, 1952, over January 1, 1951. Marketings of fed cattle since January 1 have been larger than for the first three months of 1951. The movement of replacement cattle into the Colorado feeding areas since January 1 has been much smaller than the record replacements for the same period last year.

Corn Belt cattle feeders who reported the month in which they expect to market fed cattle indicate that a slightly smaller percentage will be marketed before July 1 this year than was reported in April last year. The reported percentage to be marketed before July 1 this year is 42 per cent, compared with 44 per cent reported last April. However, producers marketed their fed cattle during April-June, 1951, at a slightly faster rate than intended last April 1. About 70 per cent of the total cattle on feed April 1 were reported to have been on feed over three months, compared with 65 per cent last April and 67 per cent two years ago.

The proportion of steers on feed this year in the eleven Corn Belt States was 69 per cent compared with 67 per cent a year earlier. Heifers accounted for 13 per cent of the total, compared with 12 per cent a year ago, while calves comprised 17 per cent compared with 20 per cent on April 1 last year.

In eight states where corn stocks were reported, the supply of corn on feeders' farms on April 1 was less than last year. In general, weather conditions since January 1 have been favorable for feeding operations. The main exceptions are parts of Nebraska and South Dakota where cold weather and snow have held down gains.

Shipments of stocker and feeder cattle into nine Corn Belt States during the first three months of the year were 461,000 head, about one per cent lower than last year's shipments. Shipments into Indiana were up 80 per cent and into Minnesota up 50 per cent. Michigan showed a 49 per cent increase, while Wisconsin was up 22 per cent; Ohio, up 17 per cent; and Iowa, up 10 per cent. The remaining states showed decreases as follows: Illinois, down 2 per cent; South Dakota, 11 per cent; and Nebraska, 27 per cent.

The January-March average cost of feeder and stocker cattle shipped from five markets for which records are available was \$30.89 per hundred pounds, compared with \$32.74 a year earlier.

The following table shows by states the estimated percentage of cattle on feed April 1 this year compared with April 1, 1951:

Ohio	95	Iowa	103
Indiana	115	Missouri	90
Illinois	110	South Dakota	103
Michigan	115	Nebraska	102
Wisconsin	110	Kansas	92
Eastern Corn Belt	109	Western Corn Belt	100
Minnesota	102		
Corn Belt	103		

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Do Black Vultures Scent Their Prey?

By ROY BEDICHEK

NEARLY all authorities agree about the Turkey vulture. He has little, if any, sense of smell, and finds his food by sight alone.

Opinion differs, however, regarding his black-headed cousin. Some say "yes," some "no." This is quite an important matter, since it is the black-headed vulture against which farmers, ranchmen, and sportsmen register violent and specific indictments. They say he spreads anthrax,¹ pecks out the eyes of new-born calves and fawns. It is further charged that, not satisfied with the eyes of a litter of pigs, he sometimes eats off their ears and tails. In 1938, A. R. Custer, then a game warden on the Aransas Federal Wildlife Refuge, told me that some 200 Black vultures had just been trapped and killed on the refuge because they "messed up the watering places." In 1950 I found the traps in good order and trapping still going on.

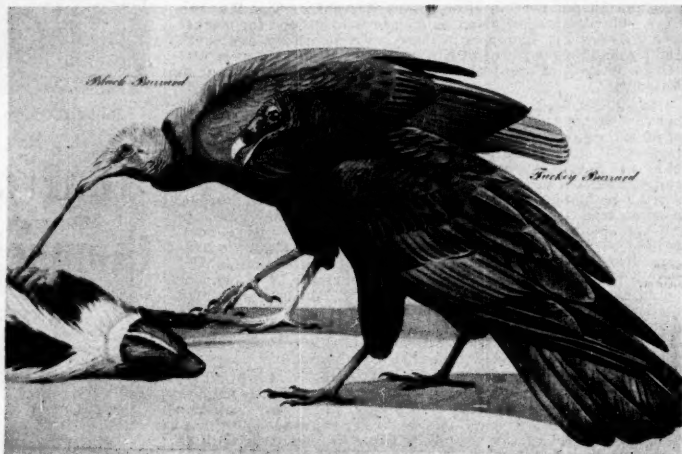
So it is important to know how this bird finds his food in order that we may protect game and domestic stock.

Until lately I have been disposed to accept as conclusive Audubon's experiments made a hundred years ago. Briefly, these experiments consisted in covering a decaying carcass with brush to see if, deprived of vision, the vultures could find it by trailing its odor. They could

¹It is worth noting that the U. S. Fish and Wildlife Service long ago disproved the charge that buzzards spread hog cholera—on the contrary they tend to check it.

not. The great naturalist then stuffed a dried-out and odorless deer's hide to look like a bloated carcass, and then exposed it in an open field. The vultures quickly swarmed about it, pulled and worried at

the odorless make-believe, even pecking at its colored, clay eyes. Subsequently, he caught a lot of young vultures and kept them caged until they were grown. He reports that when he held carrion near the cage but still out of sight of the hungry birds, they showed no concern, although the odor filled the whole place. But when the carrion was brought around in front of the cage in plain sight, they fought, struggled with each other, hissed, tried to force their heads through



Black and Turkey Buzzards

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Twenty Choice Registered Yearling
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the bars, and showed evidence of ravenous hunger.

Not content with these experiments, Audubon covered carrion with a thin canvas and placed fresh meat on top of it. The birds found and ate the fresh meat, but did not find the carrion underneath or indicate that they detected its presence. A blinded vulture showed not a sign of recognizing carrion placed within an inch of his nostrils.

Yet, in spite of the fact that these experiments have been on record for a century, most people still believe that buzzards are led to carrion by their noses. "Buzzard" is a term popularly applied either to the Black or to the Turkey vulture, although the differences between the two species are obvious.

In a talk at the West Texas State College (Canyon) I had occasion to describe Audubon's experience, and a few months later I received from a member of the audience (Judge M. T. Phelps, Phoenix, Arizona) a letter saying that he had received a new light on the Black vulture's sense of smell while he was visiting his brother-in-law, J. Craig Nelson, of Smithfield, Virginia. "Mr. Nelson," he wrote, "raises Dutch white-belted hogs on his farms, and he tells me that the Black vulture is considered a menace by the hog raisers throughout the area. Although the sows conceal their pigs with brush and leaves, still these Black vultures swoop down and destroy them in their beds. Mr. Nelson insists that scent, not sight, guides them to their prey."

It may be here remarked that the trouble with the Audubon record is that he does not distinguish clearly between the Black vulture and the Turkey vulture. He, too, often uses the term "vulture" without specifying which bird he is talking about. It has been generally assumed, however, that his experiments covered both species.

Upon receiving the letter from Judge Phelps, I wrote to Mr. Nelson, asking for a more detailed statement of his observations. He replied, limiting his remarks to the Black vulture and to his own and to his neighbors' observations in the vicinity of Smithfield, Virginia.

"They trail," he says, "through the air . . . somewhat in the manner of beagles or hound dogs, . . . picking up the trail from as far away as two miles . . . actually, they often locate the farrowing sow for us. They destroy litters at times, but more often bite off the ears and tails and sometimes peck out the eyes of the little pigs . . . the wind and the changes of the wind affect the trailing. . . . On a quiet, peaceful day with a light breeze blowing, the Black buzzard can almost make a direct line. We have seen them pass over and beyond the farrowing nest, then circle and come back, and go beyond in the other direction to pick up the trail." Mr. Nelson then describes the building of farrowing pens, "half enclosed . . . and hence very difficult for the Black vulture to see the pigs."

Nevertheless, he declares that the birds collect around the pens of farrowing sows and have to be driven away. The farmers around Smithfield, he tells me, have now resorted to sprinkling creosote over the pens, or over nests out in the woods, to destroy the scent, after "which" they do not molest a mother with new-born pigs for forty-eight hours."

Alexander Wilson, father of American ornithology, introduces Audubon's experiments, as follows:

"It has always appeared to us unac-

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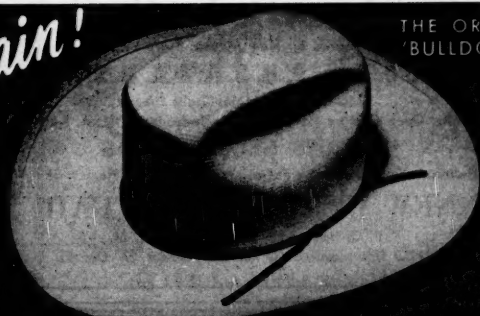
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Monday, May 12, 1952

SENATOBIA, MISS.



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1. This is our fourth calf sale.
2. About 15 bull and 80 heifer calves sell.
3. Ages between Feb. 1, 1951 and Sept. 10, 1951.
4. Every calf guaranteed smooth headed.
5. No calf with line or spot in back.
6. Every heifer "officially" vaccinated.
7. Many calves selling are show prospects.
8. Top bloodlines of the breed.
9. Send for catalogue.
10. These "calf" sales are "opportunity" sales.

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countable, that birds of prey, as vultures, could scent carcasses at such immense distances, as they are said to do. . . . We were disposed to believe that these birds were directed towards carrion rather by the sense of seeing than by that of smelling. This opinion is confirmed by the following observations of our friend, Audubon, communicated to us by him, sometime ago, for our *Philosophical Journal*.²

While Audubon does not say explicitly that his observations included the Black vulture, he does mention this species right along with the Turkey vulture; and, being a great naturalist and therefore sensitive to specific differences and the importance of them, it would be natural for him to say so if he had detected any difference in their respective reactions to odor. Towards the close of his account, he enters into a detailed description distinguishing the flight of one species from that of the other.

An observation by Vernon Bailey is here in point and, since it is recorded in a rather inaccessible publication,³ it is quoted here with only minor omissions: "I trapped a skunk one morning . . . and allowed it to discharge its odorous fluid. . . . I sat down to skin it, and in a few minutes a black shadow passed. . . . Looking up, I saw not less than fifty buzzards and Black vultures beating up the wind in a long line straight towards me. They were flying low and keenly scanning the ground. . . . As my work ended and I moved away they pounced upon the carcass and soon there was nothing left but a large scent gland to mark the spot. . . . This is but one of many similar instances in which Turkey buzzards and Black vultures have quickly responded to the smell of freshly killed skunk."

It will be noted that Bailey, an unimpeachable observer, includes both species in this observation, but confines this apparent sensitivity to odors to one particular natural odor, and certainly a powerful and far-carrying one, so far as human sense of smell is concerned.

In a subsequent letter, Mr. Nelson emphasizes the fact that Audubon does not clearly distinguish the species; and, further, that the Black vulture is much more ferocious and will not only feed upon dead but upon dying animals. The Turkey vulture, on the other hand, "will not attack anything that moves or is freshly killed."

It may be pointed out that Mr. Nelson is not alone in attacking the validity of the Audubon experiments. A. C. Bent⁴ records an experiment and observation by C. J. Pennock in Florida which supports Mr. Nelson's conclusions. Also, Dr. Frank M. Chapman, after making "careful experiments" on Barro Colorado Island, mostly on Turkey vultures, says: "Some of my results leave no room for doubt that the Turkey buzzard has a highly developed sense of smell. From others exactly the opposite conclusion may be drawn." Commenting, Mr. Bent says, "On one occasion two Black vultures perched on a tree about 125 feet to leeward of a small house where carrion was concealed. These were the first Black vultures he (Chapman) had seen alight on the island."

²American Ornithology; or the Natural History of Birds of the United States, by Alexander Wilson and Lucien Bonaparte, Vol. IV, Edinburgh: Constable & Co., 1831, pp. 245-259.

³North American Fauna No. 25, Biological Survey of Texas, U. S. Department of Agriculture, 1905.

⁴Smithsonian Institution, United States National Museum, Bulletin 167, Life Histories of North American Birds, Part I, pp. 87-88.

Bent then quotes Darlington's conclusion made while collecting beetles by use of carrion-bait in tropical countries twenty years ago. He says the congregation of insects, "noisy and conspicuous," attracts vultures, since they can undoubtedly see and perhaps hear such insect swarms at a distance, and learn to recognize them as indicating the presence of carrion.⁵

And many observers have noticed that coyotes and other keen-nosed carnivore apparently guide vultures to carrion. But it seems to me that this is still an open question, although certainly most naturalists now incline to the Darlington theory.

⁵ibid.

National Farm Safety Week July 20-26

THE ninth annual National Farm Safety Week will be observed July 20-26, the National Safety Council announces.

The general theme of this year's observance, which is jointly sponsored by the Council and the U. S. Department of Agriculture, will be: "Adopt right attitudes toward farm safety; think safety, act safely."

"Accidents to farm residents can be reduced," said Ned H. Dearborn, president of the Council, "if farmers adopt right attitudes towards farm safety. When right attitudes are present, individuals are receptive to safety advice. It is our hope that we can convince farmers that farming the right way is farming the safe, efficient way."

Warring on Rattlers

By MRS. VIRGIL SEAY

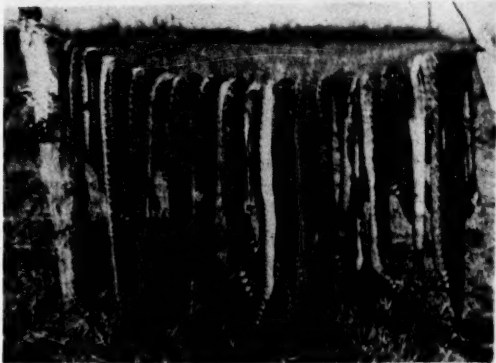
ARCHER County, Texas, has within the past few years become infested with rattlesnakes, and there is a continual war on them, too. They are found in dens that were once old prairie dog holes, along old tank dams that have rock rip-rapping on the dams, in ranchers' hay barns and storm cellars, and many are found in the rocky ledges of hills. Many people have been bitten by them, but few have died, thanks to medical science. With serum now readily available, many lives are saved each year.

A few years ago some men came out to Archer County and caught the snakes alive and sold them for serum use, but there are still entirely too many, and ways and means to exterminate them are always welcome.

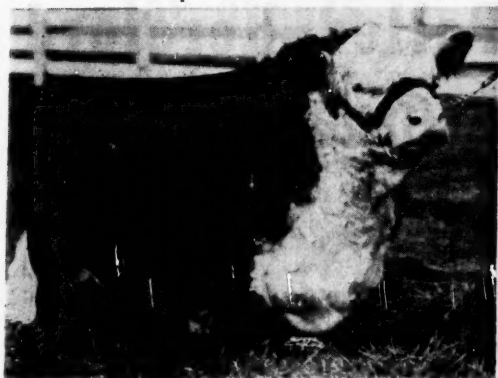
Livestock also suffer from the bite of the rattler. Horses and cattle are usually bitten on the mouth or some part of the head while grazing, and many die from this cause each year.

There are some six species of the rattlesnake found in Texas, the Western

Rattlesnakes killed on the Kinder ranch near Archer City, Texas, by Hood V. Williams, his son, Buddy, Otis Davis, Bill Gould, Andrew Baggett, Jr., and Royal Kinder.



Selling two top sons MAY 12th



GMR ADVANROL One of his sons topped the 1951 Panola-Tate Calf Sale at \$5,000.

Panola-Tate
Polled Hereford
Calf Sale



SENATOBIA, MISS.

★ Also Selling 14 Females

In the 1952 Panola-Tate Spring Sale GMR Polled Herefords averaged \$2,509. The two bulls and 14 females we will sell May 12 are of the same great breeding.

GLEN MEADOW RANCH

Mr. and Mrs. A. P. Tarpley, Jr.
Owners

HERNANDO, MISS.

Bill Hall
John Conrad

Diamond Back (*Crotalus Atrox*) being the largest species found in the state. He sometimes attains a length of seven feet, and is pinkish color, or tan, and sometimes his color shades off into a blue-gray, according to the soil of the region of his hunting ground. He has diamond-shaped markings down his back, and a white tail with black rings. He lives on rats, rabbits, birds and lizards, swallowing them whole and sleeps while they digest. At the approach of anything he fears, he will instantly utter a warning by making a rattling noise with his

tail, and hurl himself into a coil, ready to strike.

In this area, the diamond back is the most numerous, although smaller species are found here also.

One Archer City man, Hood V. Williams, who lives on an oil lease a few miles northeast of Archer, decided to do something about exterminating the vicious rattler and has figured out a good way to kill them. Williams, his son, Buddy, Bill Gould, Andrew Baggett Jr., Otis Davis, and Royal Kinder, have set something of a record in killing 266 rattlesnakes on the Kinder ranch.



Hood V. Williams, his son, Buddy, and some of the rattlesnakes killed on the Kinder ranch in February.

Williams says he locates a den by exploring the south or east sides of a sloping hillside, about middle of the morning, sunny days are better. The snakes come out to sun at that time of the day. Williams shoots a few of the snakes and the others make for their den, thus letting Williams know where the den is located. Then the hunters pour about five gallons of gasoline into the hole, and wait for results. It is never long, before a mass of squirming, rolling snakes begins coming out of the den. Then it is time for the hunters to begin shooting. One time, relates Williams, they ran out of ammunition, and had to use sticks and stones and poles to kill them, and keep them from getting away.

Carbide or exhaust from an automobile can be used effectively, but one has to get close to the den with the car or use a long hose, so Williams and his party like the gasoline method best, and consider it more effective and satisfactory.

The group recently found 150 snakes in one den. The majority of the snakes found have been Diamond Backs and a few were four or five feet in length.

Williams thought of this idea of killing rattlesnakes while out on the lease tending his pumping duties, after coming so near being bitten one morning and seeing so many snakes around his wells. Williams says he found three species of snakes in one den, the Red rattler, the Prairie and the Diamond Back. This plan is useful only in late winter months because when summer comes the snakes scatter and are hard to find.

The brand is the cattleman's coat of arms. Is yours recorded?



SELLING 10 HEAD

Panola-Tate Polled Hereford Calf Sale

SENATOBIA, MISS. ★ MAY 12

OFFERING YOU AN OPPORTUNITY TO BUY:

- Six daughters of CMR Larry Domino 15th, \$8,500 herd sire bought in the 1950 sale at Circle M Ranch.
- One granddaughter of CMR Advance Domino 22nd.
- Two daughters of Prince Mellow, sire of our top-selling calves in the November, 1950 Panola-Tate Sale. A daughter sold for \$2,000 in that sale.
- One bull, a February, 1951 son of CMR Advance Domino 50th and out of a top-producing cow. This individual has the head, bone and type of a real herd bull prospect. His half brother sold for \$3,100 in the 1951 Calf Sale.

WALLACE HEREFORD FARM

COMO,
MISSISSIPPI

National Hereford Congress Expected to Attract Large Crowd at Fort Worth

NATIONAL authorities in the livestock industry will discuss a broad range of vital subjects at the third annual National Hereford Congress to be held in Fort Worth May 12 and 13.

The two-day session, sponsored jointly by the American Hereford Association and the Texas Hereford Association, is expected to attract more than 1,500 Hereford breeders from over the nation.

All sessions will be held at the Southwestern Exposition and Fat Stock Show grounds. The Congress will be brought to a close Tuesday afternoon. Registration will start at 3 P. M. Sunday in the lobby of the Texas Hotel. R. T. Alexander, Jr., of Canadian, Texas, vice-president of the Texas Hereford Association, is general chairman of the Congress.

The Congress will be opened at 9:30 A. M. Monday with a welcome by J. M. North of Fort Worth, president of the Texas Hereford Association. Response will be given by Roy R. Largent of Merkel, Texas, president of the American Hereford Association. Presiding at the opening session will be Dean W. L. Stangel of Texas Technological College, Lubbock.

A type discussion by Dr. A. D. Weber, Associate Dean of Agriculture, Kansas State College, Manhattan, Kansas, is scheduled for 10 a. m. Steer judging will be discussed by Dr. Weber and Frank Newsom, county agricultural agent at Alpine, Texas.

Steers used in the type discussion will be slaughtered Monday afternoon and their carcasses will be displayed and discussed at the Congress on Tuesday. The steers represent a variety in types.

Judging of bulls will be discussed by Albert Mitchell, commercial and purebred Hereford breeder of Albert, N. M., and Dr. A. E. Darlow, head of the Animal Husbandry Department at Oklahoma A. & M. College, Stillwater, Okla.

Dr. J. C. Miller, head of the Animal Husbandry Department at Texas A. & M. College, will preside at the afternoon session. Judging of heifers will be discussed by W. J. Largent of Merkel, Texas, and H. A. Fitzhugh, manager of Straus Medina Hereford Ranch, San Antonio, Texas.

Practices designed to keep the herd healthy will be set forth by Dr. I. B. Nye, veterinarian, Fort Worth, and Dr. G. T. Easley, veterinarian at Turner Hereford Ranch, Sulphur, Okla. Final event on the afternoon program will be an open forum with first-day speakers on the panel in addition to Jack Roach, Amarillo commercial Hereford breeder and president of the Texas and Southwestern Cattle Raisers Association.

A buffet dinner will be served at 6:30 P. M. Monday in the Exhibits Building at the Will Rogers Memorial Coliseum to be followed by an entertainment program.

Tuesday sessions will open at 9 A. M. with a discussion of what the commercial cattleman wants in bulls by D. Burns, manager of Pitchfork Ranch, Guthrie, Texas. The value and influence of Hereford shows will be discussed by Roy R. Largent. Hereford production and promotion in the South and Southeast will be sketched by George Bible, manager of the Mountain Cove Farms, Kensington, Ga., and Bill Smith, owner of Smithdale Farms, Limestone, Tenn.

Farmers and defense will be the subject of an address by Allan B. Kline, president of the American Farm Bureau Federation. A meat cutting demonstration will be given by Max Cullen of the National Live Stock and Meat Board. Final event on the program will be a discussion of carcasses of steers shown Monday by E. J. Bealke of Swift & Co., and Dr. Weber.

Breeders and ranchers attending the National Hereford Congress will be given an opportunity to visit a number of Hereford breeding establishments in North Texas on a tour the day following the Congress.

Ranches to be visited, in order of their sequence on the tour, are as follows: The Northwoods Stock Farm, the Frank Jones Hereford Ranch, the Ralph Morgan Hereford Ranch, the George Keith Hereford Ranch and the W. H. Hammon Hereford Ranch. Those taking part on the tour will be served a Bar-B-Que luncheon at the Four-H Livestock Building in Wichita Falls, Texas, at 12:30 P. M. Following the luncheon the group will proceed to the W. B. Hamilton T-Bone Ranch, the Tom B. Medders Hereford Ranch, the J. S. Bridwell Ranch, and the Henry Arledge Ranch.

What HOME PLACE cattle have done for others . . . they can do for you!

THE RECORD OF TWO SALES:

In the 1950 and 1951 Panola-Tate Sales cattle carrying Homeplace breeding sold at the figures on the right:

9 Bulls \$104,525; Average \$11,614
26 Cows 65,725; Average 2,527
35 Head 170,250; Average 5,150

**MAY 12
SENATOBIA,
MISS.**



We will sell nine top heifers of the same breeding . . . daughters or granddaughters of our great herd sire **DOMESTIC MISCHIEF ROLLO.**

Polled Herefords That Stand the Test of Time

HOME PLACE PLANTATION

**COMO,
MISS.**

Don Bartlett, Owner

Byron Lowrie, Manager

Norman Stricklen, Herdsman

KILL screw worms



MADE IN U.S.A.

Martin's
MAR-DANE
(1883)
Screw Worm Control

QUICKLY KILLS
SCREW WORMS IN POUNDS
ALL AND REPAIRS
FROM ONE TO SIX MONTHS
EFFECTIVE GUARANTEE
REGISTERED TRADE MARK
MADE IN U.S.A.

Martin's

MAR-DANE
1883
Screw Worm
Control

CONTAINS LINDANE

Now! A faster and easier way to kill screw worms! Simply squirt Mar-Dane 1883 direct from the can into the wound. Contains LINDANE for fast, sure killing action. Leaves a long-lasting plastic-type residue to repel and kill flies.

DEPENDABLE
SINCE
1883

Make It
Martin's

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manufacture a complete
line of livestock and poultry
pharmaceuticals. Ask
your dealer or write for
information.
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DEPT. A., P. O. BOX 6098, AUSTIN, TEXAS

Welcome Cattlemen
TO OLD WEST FRIENDLINESS



ROBERT MILLER, MANAGER

EL PASO, TEXAS

HOTEL
Paso del Norte

Get
This Sign
Up . . .

MEMBER
TEXAS & SOUTHWESTERN
CATTLE RAISERS
ASSOCIATION
POSTED

Keep
Theft Losses
Down!

Program

Third Annual National Hereford Congress

FORT WORTH, TEXAS, MAY 12-13

R. T. Alexander, Jr., Canadian, First Vice-President, Texas Hereford Association,
General Chairman

Sunday, May 11—3-6 P. M.—Registration, Lobby, Hotel Texas

MONDAY, MAY 12

8-9:30 a.m.—Registration, Cattle Judging, Arena, Southwestern Exposition and Fat Stock Show.

W. L. STANGEL, *Dean of Agriculture, Texas Technological College, Lubbock, Presiding.*

9:30 a.m.—WELCOME—J. M. NORTH, Fort Worth, President, Texas Hereford Association.
RESPONSE—ROY R. LARGENT, Merkel, President, American Hereford Association.
ANNOUNCEMENTS.

10-11 a.m.—TYPE DISCUSSION—A. D. WEBER, *Associate Dean of Agriculture, Kansas State College, Manhattan, Kansas.* STEER JUDGING—WEBER and FRANK NEWSOM, *County Agricultural Agent, Alpine, Texas.* DISCUSSION. QUESTIONS from the audience.

11-12:30 a.m.—JUDGING BULLS—ALBERT MITCHEL, *Albert, New Mexico, and A. E. DARLOW, Head of Animal Husbandry Department, Oklahoma A. & M. College, Stillwater, Oklahoma.* DISCUSSION. QUESTIONS from the audience.

12:30-2 p.m.—LUNCH.
DR. J. C. MILLER, *Head Animal Husbandry Department, Texas A. & M., Presiding.*

2-3 p.m.—JUDGING HEIFERS—W. J. LARGENT, Merkel, Texas, and H. A. Fitzhugh, *Manager Straus Medina Hereford Ranch, San Antonio, Texas.* DISCUSSION. QUESTIONS from the audience.

3-3:30 p.m.—KEEPING THE HERD HEALTHY—DR. I. B. NYE, Fort Worth, and G. T. EASLEY, *Turner Ranch, Sulphur, Oklahoma.* QUESTIONS from the audience.

3:30-4:30 p.m.—OPEN FORUM—DR. J. C. MILLER, Moderator. The panel will include all those on today's program and Jack Roach, Amarillo, President of the Texas and Southwestern Cattle Raisers Association.

MONDAY NIGHT, MAY 12

6:30 p.m.—Buffer Dinner, Exhibits Building, Southwestern Exposition and Fat Stock Show.

TUESDAY, MAY 13

J. M. NORTH, *President Texas Hereford Association, Presiding.*

9:15 a.m.—WHAT THE COMMERCIAL CATTLEMAN WANTS IN BULLS—D. BURNS, *Manager, Pitchfork Ranch, Guthrie, Texas.*

9:15-9:30 a.m.—THE VALUE AND INFLUENCE OF HEREFORD SHOWS—ROY R. LARGENT, Merkel, Texas, President, American Hereford Association.

9:30-9:45 a.m.—HEREFORD PRODUCTION IN THE SOUTH AND SOUTHEAST—GEORGE BIBLE, *Manager, Mountain Cove Farms, Kensington, Georgia.*

9:45-10:00 a.m.—HEREFORD PROMOTION IN THE SOUTH AND SOUTHEAST—BILL SMITH, *Smithdale Farms, Limestone, Tennessee.*

10-10:40 a.m.—FARMERS AND DEFENSE—ALLAN B. KLINE, *President American Farm Bureau Federation, Chicago, Illinois.*

10:40-10:50 a.m.—RECESS.

10:50-11:40—MEAT CUTTING DEMONSTRATION—MAX CULUM, *National Live Stock and Meat Board, Chicago, Illinois.*

11:40-12:30—DISCUSSION OF STEER CARCASSES—Those of the steers shown Monday, E. J. BEALKE, *Head of the Beef, Lamb and Veal Department, Swift & Company, Fort Worth, and A. D. WEBER.*

Those attending the congress are invited to be guests of Charles Pettit, Dallas, the afternoon, May 13, for a tour and the evening meal at Flat Top Ranch, 70 miles southwest of Fort Worth at Walnut Springs.

You are also invited on the Congress Hereford Tour, May 14, which will visit herds in the Fort Worth and Wichita Falls vicinities.



HERD BULLS

MW Larry Domino 111th

A Son of Larry Domino 50th

Larry Domino Mixer

A Son of Larry Domino 50th

Larry Domino Again 6th

A Grandson of Larry Domino 50th

MW Prince Larry 50th

A Grandson of Larry Domino 50th

WHH Royal Duke 2nd

A Grandson of Baca R Domino 33rd

PCR Baca Patron

A Grandson of Baca R Domino 33rd

Dandy Domino 84th

A Son of Double Dandy Domino

BULLS FOR SALE

Improving blood for both registered and commercial herds is offered in the bulls we now have for sale at the ranch. Herd sire prospects and range bulls in a wide selection await your inspection. Every bull offered is a real Hereford value and a sound "buy" in improved breeding. Also 75 head of aged cows, some with calves.

WELCOME HEREFORD BREEDERS TO OUR HEREFORD TOUR MAY 14

On The Day Following The

NATIONAL HEREFORD CONGRESS

(Fort Worth, May 12-13)

THE TOUR WILL BEGIN AT FORT WORTH AND
END AT SEYMOUR, TEXAS. OUR RANCH IS ONE
OF THE SCHEDULED STOPS, AND WE WELCOME
ALL WHO ATTEND.



Get Ahead

With Hammon Herefords



HAMMON'S HEREFORDS

WAYNE H. HAMMON, OWNER
805 CITY NATIONAL BLDG.
WICHITA FALLS, TEXAS

HEREFORD BREEDERS

ATTENDING

NATIONAL CONGRESS

(Fort Worth, May 12-13)

WELCOME TO T-BONE RANCH ON OUR TOUR, MAY 14



★
CROWN
DANDY
MIXER

First—Junior Bull
Class, Denver,
January, 1951

This grandson of Double Dandy Domino is doing an outstanding job for us on our unsurpassed cow herd. We want to show you this bull and his calves, along with the breeding herd that has produced bulls that have consistently sired premium feeder calves for us on our commercial unit.

T-BONE Ranch

Wichita Falls, Texas

Reduce
Your Feed Costs
\$12-\$16 a Ton

BROWER *Whirlwind*
FEED MIXERS
Over 9000 Satisfied Users

Save 60¢ to 80¢ per 100 lbs. Mix your own cattle, hog and poultry feeds. Mixes a perfect blend in 10 minutes. 5 sizes—700 to 4,000 lbs. Made of heavy steel, electrically welded. Sold on 30-day trial guarantee. Write for catalog and low prices. Distributed by

V. A. SNELL & CO., San Antonio, Texas

World's Largest Selling Mixer!



DESTROY WEEDS and INSECTS



with Fire
USE **BLACKWELL
WEED BURNER**
GUARANTEED
ASK YOUR DEALER OR WRITE FOR CATALOG
**BLACKWELL
BURNER CO.**
P.O. BOX 4426 SAN ANTONIO, TEXAS

*There is no death. The stars go down
To rise on some other shore.
And bright in Heaven's jeweled crown
They shine forevermore.*

J. L. McCreary

Lee Stewart

Lee Stewart, pioneer stock farmer of Brown and Comanche Counties, died at his home in Blanket, Texas, March 30, at the age of 84. He was born in Comanche County and had lived in the Blanket area since he was 24 years old. Survivors include his wife, Mrs. Connie Stewart; two sons, Andy Stewart of Blanket and Earl Stewart of Pecos; one daughter, Mrs. Minnie Sue Entrikin, Shreveport, La.; two sisters, Mrs. Birdie Kelly of Merkel and Mrs. Dovie Coker of Santa Barbara, Calif.; four grandchildren and one great-grandchild; and several nieces and nephews.

Owen Garrigan

Owen Garrigan, the "grand old man" among Texas horsemen, died in a hospital at Bryan April 4. He had been seriously ill for several weeks. The 68-year-old horseman, who had been connected with Texas A. & M. College for 35 years, had been in semi-retirement for the past five years. He came to the United States from Ireland at the age of 15 to train horses for the late Senator Joe Bailey of Texas.

The "Mr. Horseman" of Texas joined the Animal Husbandry staff of A. & M. College in 1916. His specialty was gaited saddle horses and in that field he was one of the most widely known authorities in the United States. The most recent honor to come to Garrigan was the naming of the new horse barn of the Animal Husbandry Department the "Garrigan Stables." A bronze plaque has been placed on the facade of the main barn. Ceremonies were held February 14. He is survived by his wife who is an accomplished horsewoman.

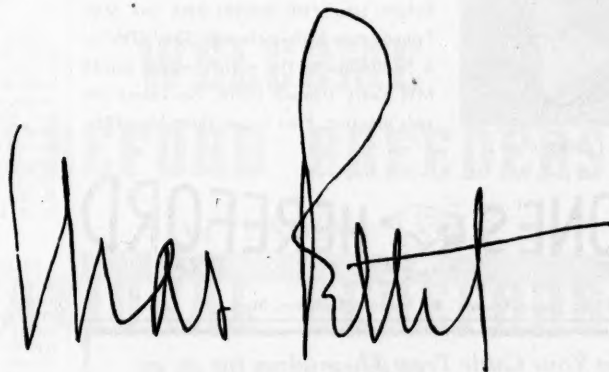
Mrs. George F. Loving

Mrs. George F. Loving, pioneer of Fisher and Stonewall Counties, Texas, and widow of an old time rancher, died in a Rotan, Texas, hospital March 25. Her husband preceded her in death six years ago. Survivors include a daughter, Mrs. Betty Seaton, Rotan, Texas; a son, Don Loving, W. F. Martin Ranch, Aspermont, Texas; three grandchildren, and three great grandchildren.

H. T. Boyd

Hiley T. Boyd, 85, pioneer South Plains rancher, died in Lubbock, Texas, April 9 after an illness of about a year. His home was at Carlsbad, N. M. He came to the plains in the 80's and had an active part in the development of the area from a raw frontier. Most of his adult life was devoted to ranching and cattle. He was born in Mississippi in 1866 and came to Texas as a boy of 14. He worked as a cowboy on a ranch in Cochran County. He at one time managed the Slaughter ranch and later operated a ranch in Cochran County. At the time of his death he and his son, Hiley Boyd, Jr., operated a 65-section ranch near Orla. He is survived by his wife; three daughters, Mrs.

Cooperating with the NATIONAL HEREFORD CONGRESS, I will be pleased to have you visit us at the Flat Top Ranch the afternoon of May 13. I will make a supreme effort to furnish you an interesting and entertaining afternoon. Refreshments will be served early enough for you to return to Fort Worth by bedtime.



DIRECTIONS TO THE RANCH:

From downtown Fort Worth go west out Highway 80 to the intersection of Highway 377, turn left (south) and go to Granbury. Proceed through Granbury and five blocks after passing signal light turn left on State Highway 144. Proceed to the intersection of Highway 67. Turn right on Highway 67 and travel about 12 miles to large sign—"Flat Top Ranch." Turn left on gravel road and follow signs to the SALE BARN, where Bill Roberts will be waiting to greet you at 2:30 p. m. Flat Top Ranch is located about 70 miles from Fort Worth, an easy one and a half hour's drive on all-weather road.

Do Not Forget the Hereford Congress Tour to the Wichita Falls Area on May 14

FLAT TOP RANCH

CHAS. PETTIT
Owner

WALNUT SPRINGS, TEXAS

BILL ROBERTS
Manager

"Dedicated to the Improvement of Herefords"

WELCOME VISITORS

NATIONAL HEREFORD CONGRESS

FORT WORTH, MAY 12, 13

Be Sure to Attend Our

HEREFORD TOUR, MAY 14



MW PRINCE LARRY 67th

The Hereford tour will originate in Fort Worth and our ranch is one of the scheduled stops. We will show calves by our four herd bulls: JHR Prince Mixer, Plus Return 1st, WHR Symbol 34th and MW Prince Larry 67th (pictured). The "67th" is a $\frac{3}{4}$ brother to the world's record priced MW Larry Domino 107th. His calves are very pleasing. Plan to see them May 14th.



F. D. Jones, Owner • Marvin Mayberry, Mgr.

Let Your Cattle Treat Themselves for

WARBLES, LICE and FLIES

with a NATIONAL

Revolving Applicator



PATENTED
MANUFACTURED BY NATIONAL VACCINE

The insecticide was made for our Revolving Applicator and kills Warbles (Grubs), Lice and Flies on contact, improves the animal's coat, does not dissolve in the rain. Warbles, Lice and Flies make cattle itch and they rub on the applicator as naturally as they rub on a post or go under a limb to brush off flies. The animals suffer no injury or shrinkage losses; you avoid any sickness or loss of weight caused by wetting animals in inclement weather. Eliminates extra wages for help. Simple and easy-to-follow directions with each applicator.

REVOLVING APPLICATOR

Complete \$23.50*
(Without Post or Weight)

REVOLVING APPLICATOR and 4 gallons of
CATTLE INSECTICIDE \$33.50*

*PREPAID except on C.O.D. orders. Save C.O.D. fees and postage—send check with order. References: Dun & Bradstreet; First National Bank of Colorado Springs.

National Vaccine & Serum Co., Inc.

Box 296 D, Colorado Springs, Colo.

CATTLE INSECTICIDE
\$8.00 per gallon*
\$7.50 per gal. in 4-gal. cases*

See your dealer or order direct.
DEALERS WANTED



John Keathley, Columbus, Ohio; Mrs. Kirk Dean, Lubbock; Mrs. Dick Snyder, Clayton, N. M.; the son, one brother, O. F. Boyd, Belton, Texas; two nieces, Mrs. Sylvan Saunders, Lubbock, and Mrs. O. Basham, Carlsbad, N. M., and five grandchildren. He was a Scottish Rite Mason and a member of the First Christian Church in Lubbock.

Lloyd F. Pipes

Lloyd F. Pipes, farmer and rancher of Pleasanton, Texas, died April 7 at the age of 55. Pipes had been in failing health for about a year. He was born in San Antonio and moved to Atascosa about 12 years ago. The Pipes had been living in Atascosa about six years. Survivors include his wife; a daughter, Mrs. Virginia Swendeman, Pleasanton; a son, Lt. Richard Pipes, Mauldin, Mo.; three grandchildren; and a brother, Ernest D. Pipes, San Antonio.

Jack Lary

Jack Lary, for many years associated with the Cassidy Commission Company at Fort Worth, died in a Graham, Texas, hospital April 20 at the age of 78. Surviving are two sisters, Miss Minta Lary and Miss Gabe Lary; two granddaughters, Mrs. O. L. Graham and Mrs. E. B. Stewart, all of Graham; four great-grandchildren; two nieces, Mrs. A. G. Wienecke of Glencoe, Ill., and Mrs. W. H. Storey of Houston; and one nephew, F. B. Lary of Wyckoff, N. J.

Stokly T. Hamil

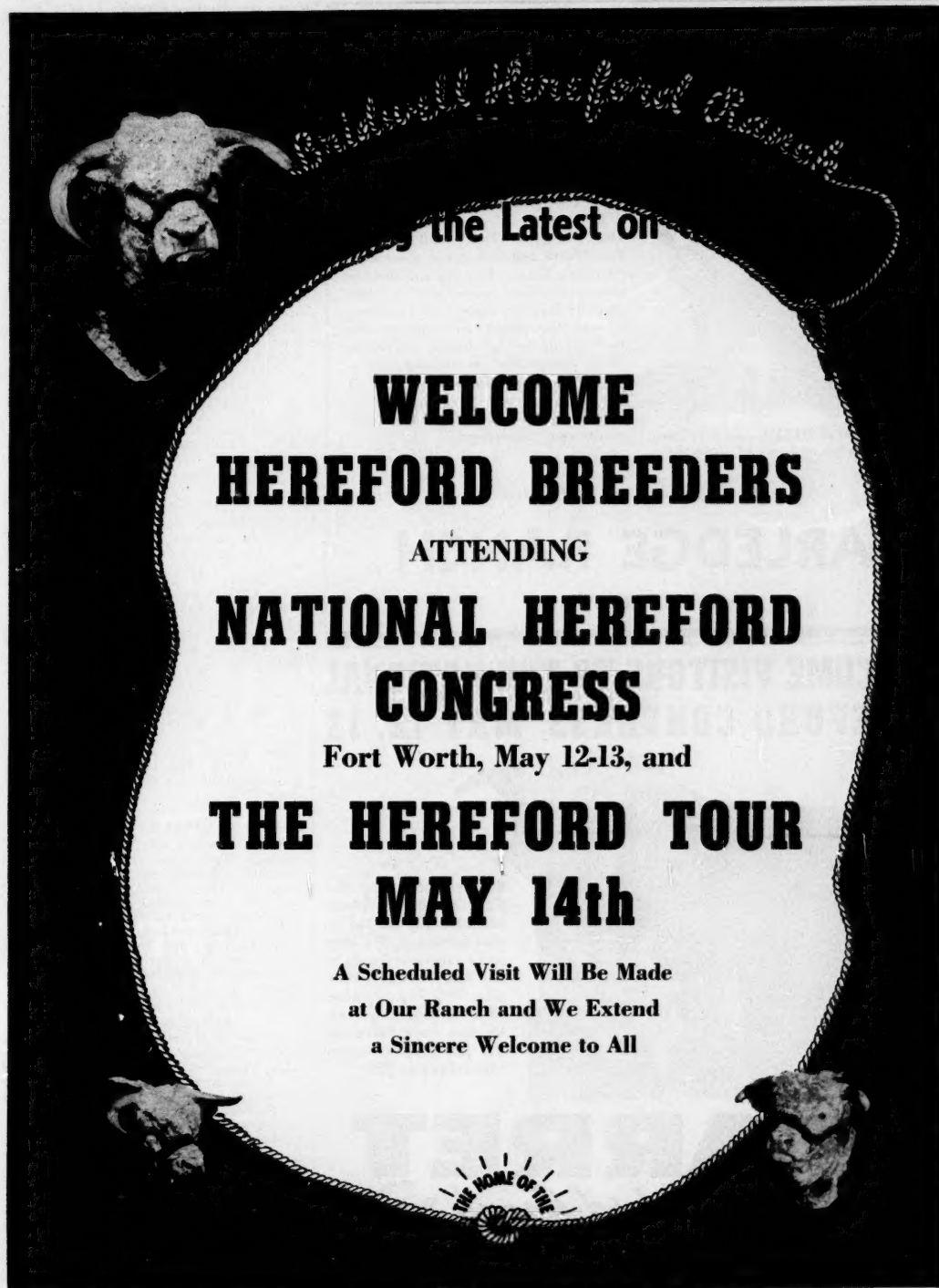
Stokly T. Hamil, rancher of Breckenridge, Texas, died April 20 after a heart attack at the age of 62. Hamil had lived in Stephens County all of his life. Survivors are his wife; three daughters, Mrs. Archie Meinzer of Crane, Mrs. Douglass Thorpe and Mrs. Earl Stewart of Breckenridge; three sons, Roswell of Kermit, Ralph L. and Billy Ray Hamil of Breckenridge; three sisters, Mrs. Cecil Harding of Fort Worth, Mrs. Buna Jones of Dallas and Mrs. Ridge McFall of Abilene; two brothers, Jack of Tulsa, Okla., and Ira Hamil of Big Lake, and 11 grandchildren.

Col. J. G. Hall

Col. James Goodwin Hall, 55, vice-president of Graham-Paige Corporation and former member of the executive committee of the American Quarter Horse Association, died in New York April 19 after suffering a heart attack. He was a resident of Midland, Texas, and formerly lived in Fort Worth. He made a brilliant record as a flier in both world wars. He shot down three German planes during World War I and was General Vandenberg's air staff chief for reconnaissance and mapping in England. He was a member of the New York Stock Exchange and was first president of the Fort Worth Gun Club. He is survived by his wife, the former Mrs. Tamara Cecil, whom he married in 1947, and a daughter, Anne Valliant Burnett Hall, who lives in Fort Worth with her mother, Mrs. Robert F. Windfohr.

C. C. Buxton

Clarence C. Buxton, rancher and miller, died in a hospital at Ada, Okla., April 20 at the age of 68. Buxton was president of the Garrison Milling Co., Oklahoma City, until 1935, when he retired and moved to his ranch near Ada. He has operated Horseshoe ranch, in southwestern Pontotoc County, with his son,



Smith Hereford Ranch

the Latest on

**WELCOME
HEREFORD BREEDERS
ATTENDING
NATIONAL HEREFORD
CONGRESS
Fort Worth, May 12-13, and
THE HEREFORD TOUR
MAY 14th**

A Scheduled Visit Will Be Made
at Our Ranch and We Extend
a Sincere Welcome to All

THE HOME OF THE

Hereford Breeders attending
NATIONAL HEREFORD CONGRESS
 Fort Worth, May 12, 13
WELCOME TO OUR TOUR, MAY 14



BR PROUD MIXER, our herd sire.
 A champion and sire of champions.

The "Congress Tour" will start in Fort Worth and end at our place near Seymour, Texas. The trip will include some excellent herds and a well-planned itinerary assures all attending a very interesting and entertaining day. We of Arledge Ranch are particularly pleased that the evening meal is scheduled at our ranch.

A nice group of Bilt-Rite Herefords awaits your inspection.

Be Right! Buy Bilt-Rites

ARLEDGE RANCH

SEYMOUR, TEXAS

WELCOME VISITORS TO THE NATIONAL HEREFORD CONGRESS, MAY 12, 13



Breeders attending the Congress at Fort Worth are cordially invited to visit our ranch. We have some excellent calves by our four times champion, HG Proud Mixer 673d to show you. Also, we now have calves by our junior sire, Larry Mixer Domino 20th.

BARRET
Hereford Ranch
COMANCHE, TEXAS
 100 Miles SW of Fort Worth on Highway U. S. 67

C. C., Jr. He was a graduate of William Jewell College, Liberty, Mo., and the University of Chicago. He was a member of Kappa Sigma fraternity; a 32nd degree Mason; a past grand commander of Knights Templar, and an active member of the First Baptist Church, Oklahoma City. He is survived by two sons, C. C., Jr.; Ada; Garrison H., Oklahoma City; three sisters, Mrs. Ed Fleming, Enid; Mrs. Manning S. Moore, Long Beach, Calif.; Mrs. David Morris, Santa Monica, Calif.; a brother, Merwin T., Oklahoma City, and seven grandchildren.

Claud Dean

Claud Dean, Weatherford, Texas, ranchman, was injured fatally April 13 when his car overturned on a sharp curve near Valley Mills. His daughter-in-law, Mrs. Douglas D. Dean, the only other occupant in the car, was seriously injured. He is survived by his wife; three sons, Coke County Judge Jeff Dean of Robert Lee, Douglas D. Dean, U. S. Army at Fort Hood, and Edmond Dean of Pecos; six daughters, Mmes. Nora May of Weatherford, Duncan, Kingston of Balmorhea, Cecil Lewis of Cresson, Hodges Escue of Fort Bragg, N. C., Bobby Baker of Robert Lee and Miss Stella Dean of Wickenburg, Ariz., two sisters and four brothers.

Mrs. George Noland

Mrs. George Noland died April 21 in an Ardmore, Okla., hospital at the age of 75. Mrs. Noland came to Ardmore from Texas at the turn of the century and was a member of the Christian Science Church. She was born March 10, 1877, near Denton, Texas. Her husband died in 1938. Survivors include six sons, James S., Springer; Harry W., Perry; Edward M., Caldwell, Kansas; John S., Midland, Texas; Thomas R., Knox City, Texas; George, Jr., Tulsa; two daughters, Mrs. T. H., Oklahoma City; Mrs. Robert L. McCoy, Oklahoma City; three sisters, Mrs. F. A. Richmond, Ardmore; Mrs. Charles Fann, Birmingham, Ala.; Mrs. Zelma Wilson, Aubrey, Texas; a brother, Tom Smith, Bakersfield, Calif.; nine grandchildren and five great-grandchildren.

Paul Howard

Paul Howard, 35, Ringling, Okla., rancher, died April 19 after being injured by a falling tree 11 miles south of Ringling. He was manager of the Howard estate properties at Ringling. His father was the late Wilton Howard, pioneer Ringling resident. Survivors are his wife, Karlene, and five children of the home; also two brothers, Don, Claypool and Melvin, Oklahoma City, and his mother, Mrs. Wilton Howard, Cornish.

Sidney S. Hutchinson

Sidney S. Hutchinson, retired rancher and old time peace officer, died in Karnes City, Texas, February 15, at the age of 81. As a young man, he served as deputy-sheriff when the Karnes County Seat was at Helena, Texas. In the early nineties, he served in the Captain Rogers Ranger Company for several years, and in 1915 he again served in Captain Will Wright's Ranger Company a number of years; then later he was city marshal of Karnes City. He is survived by his daughter, Mrs. H. H. Mitchell, with whom he made his home. Also a brother, Ernest Hutchinson of Gillett, Texas, and two sisters, Mrs. J. H. Woolsey of Gillett, and Mrs. Harmon Metz of Corpus Christi.



23%

of all the bulls listed
in the Register of Merit
are WHR!

10%

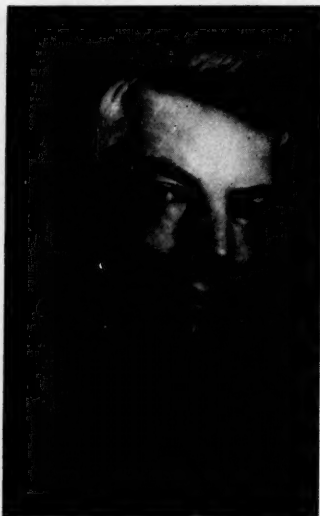
of all the females listed
in the Register of Merit
are WHR!

Ward Ranch CHEYENNE, WYO.

John M. Hendrix

John M. Hendrix, outstanding authority on Texas lore and well known by readers of *The Cattleman* for his articles which have appeared in the magazine for several decades, died in a Sweetwater hospital April 7 at the age of 64. Hendrix recently suffered his second stroke in a year and had been in the hospital three days. He was the son of Mr. and Mrs. Frank D. Hendrix, pioneer ranchers of Gainesville, Texas. His father operated ranches in the old Indian Territory and in the Arbuckle Mountains near Ardmore, Okla.; in 1897 the family moved to Quanah where the elder Hendrix continued his cattle business. Hendrix was associated with his father in the cattle business until he was 21 at which time he struck out for himself; in 1921 he entered the automobile business at Quanah. In later years he established motor car sales agencies at Galveston, Waco, and Tyler and in 1927 he set up agencies at several West Texas cities, disposing of them in 1930 to become manager of the Sweetwater Board of City Development. It was here that he gained wide recognition for his booster organization known as the Sweetwater Chuck Wagon. In 1936 he joined the staff of the West Texas Chamber of Commerce and the following year he became associated with the Southwestern Exposition and Fat Stock show, representing the Exposition at numerous affairs and directing special events for the show. At the time of his death he was associated with the Traders Oil Mill. A glance through back issues of *The Cattleman* shows that Hendrix started writing articles for the magazine in the early 1930's. As a rule, his articles pertained to the cowboy, his

habits, customs and peculiarities. Occasionally he wrote about cattle and horses and a series he wrote about Texas Cow Towns in 1940 and 1941 attracted considerable attention. One of his most recent writings was a history of the Texas and Southwestern Cattle Raisers Association, entitled "Three Score and



John M. Hendrix

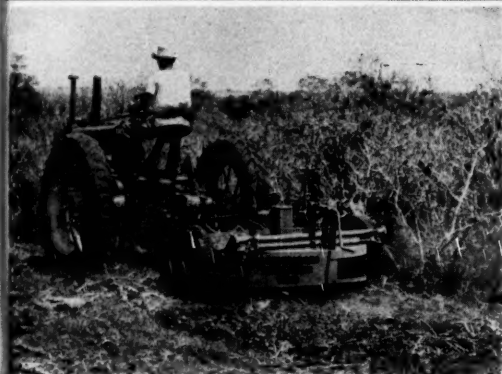
Ten" which was written in 1945. In November, 1947, Mary Whatley Clarke wrote an article on John M. Hendrix in which his colorful career was vividly portrayed. He is survived by his wife, the former Miss Ethel Kelly of Whitesboro, Texas; two daughters, Mrs. J. C. Pace, Jr., and Mrs. Harry Horne, both of Sweetwater; two brothers, Joe Hendrix of Fort Worth, Frank Hendrix of Quanah, and five grandchildren.

W. O. Neal

W. O. Neal, Quanah, Texas, owner of the Medicine Mound ranch, died April 4 and was buried at Quanah. Neal was raised in Tarrant county and went to Greer county, Okla., (then in Texas) in 1892 where he worked for the H Cross N owned by Neal & Putman of which Charles Neal was foreman. He was associated with such men as Luther and Sid Clark, Ellison Carroll, Jody Ragsdale, the five Waters boys, Sid Davidson and other old time cowboys. In 1897 his father bought the Medicine Mound ranch and made him foreman. Later on, after buying out his father, he and his sons operated the ranch until he died. He is survived by his wife, three sons, Overton of Quanah, John of Fort Worth and Oscar of Dallas and a daughter Margaret living in Louisiana.

Mrs. Tom Ratliff

Mrs. Tom Ratliff, widow of a pioneer Brownwood cattleman and daughter of the late Wally Williams, pioneer settler of San Saba county, died April 14 at the home of a daughter in Fort Worth, Mrs. Henry E. Ellis. She was 86 years old. Surviving besides her daughter are two sons, Wally Ratliff of San Angelo and



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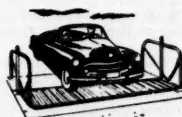
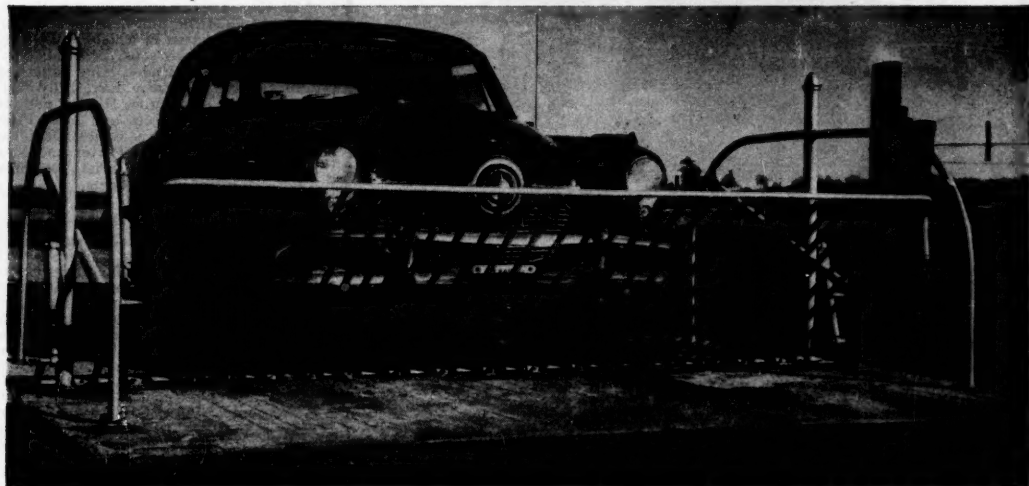
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WHILE YOU
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SLOWLY!**

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NO NEED to stop to open and close your road-gate. Just shift to low and keep your car rolling! When the bumper touches your **PUSH-OVER** Automatic Gate, it starts down. The wheels push it flat to the concrete slab. Gate stays down while you drive right over, then rises slowly to vertical position.

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Sure stops gate cussin'!

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EASY TO INSTALL. Shipped complete, ready for simple, economical installation on concrete slab. No extras to buy.

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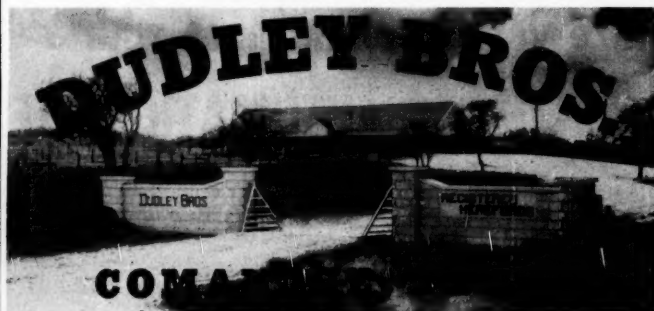


He was reserve champion bull at Houston and San Antonio and first prize summer yearling at Denver, Phoenix, Dallas, Houston and San Antonio, 1951-52 show season. He is being retained for use in our herd.

While you are attending the National Hereford Congress May 12 and 13, visit us. We would be pleased to have you.

FOR SALE

50 Bulls—14 to 18 months old. We also have some open heifers and several young cows with calves offered at this time.



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FORT WORTH, TEXAS
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Ernest Ratliff of Phoenix, Ariz.; a sister, Mrs. Franklin Thompson of San Angelo; two brothers, Ernest Williams of Clarkston, Ga., and Tom Williams of Muskogee, Okla.; a niece, Mrs. Ben Ellis of Fort Worth; six grandchildren and four great-grandchildren.

Will R. Hindes

Will R. Hindes, pioneer rancher of Hindes, Texas, died March 19 at the age of 72. He was born at Pleasanton, Texas, November 2, 1879, and had lived his entire life in the area in which he died. He is survived by two sons, Bill and Raymond, both of Hindes, the following grandchildren; Dorothy Ray, Billy Carroll, Ann and Joe Hughes Hindes, and six sisters, Mrs. Lee Scott and Mrs. Polly Paige of Houston, Mrs. Ernest Devilbiss of Cotulla, Mrs. Robert Porter and Mrs. Henry Ward of Corpus Christi, and Mrs. Johnny Dunlap of California.

Charles Lamb Brown

Charles Lamb Brown died March 30 in Fort Worth. Brown was connected with the commission firm of Evans-Snyder Buell at Fort Worth for more than thirty years, and was at one time a buyer for Cassidy Commission Company. He operated ranches in West Texas, New Mexico and Oklahoma, and lived in Fort Worth until 1931 when he moved to Brownacre Farms, Skiatook, Okla. He is survived by two sons, George H. Brown of Skiatook and Major Edward A. Brown, Washington, D. C.; and a daughter, Mrs. Seth W. Holmes, Odessa, Texas, and ten grandchildren.

Herefords Continue to Show Record Progress

PUREBRED Hereford breeders over the nation scored their greatest registration increase on record during the first six months of the current fiscal year.

Registration certificates were issued for a new record total of 292,372 White-faced calves during the six months, an increase of 50,000 over the total recorded during the first six months of the last fiscal year. The increase was 18,484 above the 1951 increase over the previous period in 1950.

As an indication of the progress and growth of the Hereford breed an all-time record of 2,377 registrations were issued from Association headquarters each working day of the six-month period.

With the marked increase during the first half of the fiscal year, a new world record for livestock registrations will emerge when the Association closes the books on the fiscal year next August. Registrations last year topped a half million, nearly two and a half times the total registrations of other major beef breeds.

"The excellent increase in registrations during the last six months is another significant sign of Hereford preference and predominance in the beef cattle world," said Association President Roy R. Largent of Merkel, Texas.

The president also pointed out that the demand for purebred Herefords is still greater than the supply despite the record increases in registered numbers.

Take care of feed bags. Hang used bags over pipes swung to ceiling with wire to keep clean and away from rats and mice.

The Cattleman—Subscription rates: One year, \$2; three years, \$5; five years, \$8; foreign, one year, \$4.

FOR SALE

Sold my ranch on April 21st and now
must sell all of my registered
Herefords promptly.

at private treaty

55 COWS with 25 calves at side, others bred

20 calves are by TR Zato Heir 28th. Cows are daughters and granddaughters of Real Domino 51st and Royal Belmont. Other cows from Harrisdale and George Nance herds. To be sold in units of not less than 25 cows with choice of one herd bull.

10 BRED HEIFERS

All bred to TR Zato Heir 28th and are daughters and granddaughters of Real Domino 51st. To be sold as one unit.

18 OPEN HEIFERS

Sired by Master Real Domino, a son of the Register-of-Merit, Real Domino 51st.

15 YEARLING BULLS

Some good prospects in these. Will sell all or any part.

3 PROVEN HERD SIRES



★ TR Zato Heir 28th (pictured), a three-year-old, proven sire by the Register-of-Merit TR Zato Heir. He is a truly top, young, proven sire. We have 20 calves by him to show his breeding ability.

★ Master Real Domino, four years old with size and smoothness, by the Register-of-Merit Real Domino 51st. We have over thirty bulls and heifers to show you his breeding ability.

★ Royal Belmont—bred by Hubert Chandler and sired by Donald Domino 16th, he by Donald Domino. A number of the top breeding cows on our ranch are by this sire.

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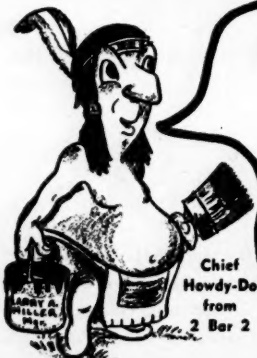
WHR Symbol 4th SD Elite Helmsman
WHR Symbol 80th Flashy Royal 2d
Greenhill Larry 22d WHR Version 17th
Stan-De Cascade U Royal Mixer 36th

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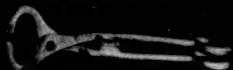
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FORT WORTH, TEXAS

Thirteen Herefords Added to Register of Merit

FIVE bulls and eight females were added to the Register of Merit list just released by the American Hereford Association. These were based on the points won by their get, including the 1951-1952 show season just closed. The bulls must sire five or more winners and have a total of 100 or more points to be included in the Register of Merit list. The females must have two or more winners, with 25 or more points. The new additions to the list for the bulls are as follows:

TR Zato Heir, with 189 points, owned by Turner Ranch, Sulphur, Okla.

Baca Duke 2nd, with 121 points, owned by A. H. Karpe's Greenfield Hereford Ranch, Bakersfield, Calif.

MW Larry Domino 83rd, with 119 points, owned by Milky Way Hereford Ranch, Phoenix, Ariz.

MW Larry Domino 133rd, with 116 points, owned by Circle A Hereford Farm, Morris, Ill.

HG Proud Mixer 579th, with 107 points, owned by Earl Guitar's Grissom's Hereford Ranch, Abilene, Texas.

The new additions to the list for the females are as follows:

Lady Winifred 4th, with 45 points, owned by Bianchi Hereford Ranch, Macon, Mo.

BHR Miss Super 3rd, with 41 points, also owned by the Bianchi Hereford Ranch.

Miss J 34th, with 38 points, owned by Brookview Farms, Pine Grove, Ky.

CK Kathleen 14th, with 37 points, owned by CK Ranch, Brookville, Kans.

MW Miss Mixer 10th, with 36 points, owned by Milky Way Hereford Ranch.

Miss John R., with 36 points, owned by Johnston and Johnston, Folsom, N. M., and Madisonville, Texas.

HG Proud Amy 621st, with 31 points, owned by Earl Guitar's Grissom Hereford Ranch, Abilene, Texas.

Rosie True, with 26 points, also owned by Earl Guitar.

Hereford Transactions

Flat Top Ranch, Walnut Springs, Texas, announces the recent sale of a son and two daughters of TT Proud Prince to E. R. O'Neal, Denfield, Ontario, Canada; a son of Flat Top Pride to W. G. Bere, Arva, Ontario, Canada; a son of TT Proud Prince to John M. Sanders, St. Thomas, Ontario, Canada; five daughters of TT Proud Prince to W. R. Gollihar, Whitney, Texas; and a two-year-old grandson of CR Chief Defender 15th to Reginald Atkinson, Mertzon, Texas.

W. H. May, Wilson, Texas, reports the sale of 10 Hereford heifers to Porter & Parks, Floydada, Texas.

Thirty-five Hereford heifers were transferred to Fulkerson Farms, Liberty, Mo., by Pronger Bros., Stratford, Texas.

Fulkerson Farms, Liberty, Mo., are the new owners of nine Hereford heifers which were purchased from A. E. Pronger, Jr., Stratford, Texas.

O. C. Peters, Dallas, Texas, reports the purchase of one Hereford bull, three cows and two heifers from Richard Owens, Wilmer, Texas.

R. L. & J. H. Walker, Alice, Texas, transferred 11 Hereford heifers to T. B. Rushing, Marshville, N. C.

From San Antonio, Texas, C. L. Brown, Jr., reports the sale of a Hereford

The Cattleman—Subscription rates: One year, \$2; three years, \$5; five years, \$8; foreign, one year, \$4.

bull, 48 cows and one heifer to Diamond B. Valley Farms, Converse, Texas.

Diamond B. Valley Farms, San Antonio, Texas, recently purchased 13 Hereford heifers from Kallison's Ranch, also of San Antonio, Texas.

W. O. Culbertson & Sons, Dalhart, Texas, sold 13 Hereford bulls to Thomas Pounds, Cedarvale, N. M.

Ten Hereford cows became the property of Joe Jones, Dallas, Texas, purchased from Iva Goforth, also of Dallas, Texas.

Jay B. Pumphrey, Old Glory, Texas, is the new owner of eight Hereford heifers, purchased from F. Jake Hess, McLean, Texas.

Painter Hereford Ranches, Denver and Roggen, Colo., report the sale of a half interest in PHR Dandy Larry 24th, by Dandy Larry D 47th, to The Berrys Herefords, Cheyenne, Wyo.

Lindsey Staley of Staley Hereford Ranch, Pullman, Wash., recently selected 30 yearling heifers from Painter Hereford Ranches, Denver and Roggen, Colo. These heifers are of Dandy Domino and WHR bloodlines.

Seven bred heifers were purchased by B. F. Swan of Denver for his Swan Hereford Ranch at Buffalo Creek, Colo., from Painter Hereford Ranch. They carried the service of Dandy Larry D 47th, a double bred Larry and one of Painter's top breeding bulls.

Oklahoma A. & M. Men Honored

THREE Oklahoma men who have contributed much to the advancement of the livestock industry in the state recently joined other outstanding graduates of the Animal Husbandry Department of Oklahoma A. & M. College when their pictures were added to the "Hall of Fame."

Those being honored in the Hall of Fame, established in 1949 by A. E. Darlow, head of the animal husbandry department, were Carlton Corbin of Ada, Dr. L. E. Hawkins, Stillwater, and the late W. R. "Bill" Felton of Stillwater.

Corbin, who graduated in 1929, operates "Stoneybroke," a 2,200-acre purebred Aberdeen-Angus ranch near Ada. He has been a teacher at Washington State College and a cattle salesman on the Oklahoma City market, before he devoted full time to the ranch.

Hawkins is vice-director for the Oklahoma agricultural experiment station, and a member of the class of 1925. He has been a county agricultural agent and was agricultural commissioner for the Kansas City Chamber of Commerce during 1935-42.

Felton was assistant state supervisor of vocational agriculture from 1946 until his death in 1951. He was also a Hereford breeder and a well-known show judge, and considered an expert in fitting livestock for show. He was a member of the class of 1931.

Bryan County Hereford Association Sale

SUMMARY

38 Bulls	\$16,625; avg.	\$430
29 Females	26,530; avg.	708
67 Head	39,155; avg.	585

TWENTY-three breeders were represented in the sale held by the Bryan County Hereford Association at Durant, Okla., March 3 and the sale was one of the best ever held by the group. R. M. Hall, manager of McNatt Ranch, Greenville, Texas, judged the cattle before the show.

Topping the sale at \$1,400 was Miss Silver EVL 1st, by Real Silver Domino 301st, grand champion bull at the 1945 Southwestern Exposition and Fat Stock show, consigned by Ed V. Lancaster, Durant. Valley Ranch, Durant, was the buyer.

L. C. Atkinson, Throckmorton, Texas, sold Miss Mixer 20th, a four year old daughter of Mixer Return 10th, to L. B. Abbott, Durant, for \$1,300.

Topping the bulls at \$1,250 was CR MacLarry 3rd by Larry Domino M 16th, consigned by Colvert Ranch, Mill Creek, Okla. The buyer was C. C. Ross, Allen, Okla.

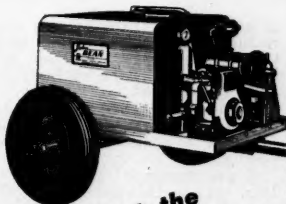
The females sold readily, but at times the bulls ran into snags, and bidding became draggy.

W. H. "Bill" Heldenbrand was the auctioneer.

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John BEAN
LABOR-**SAVING**
SPRAYERS



Don't let the
Parasites eat up
YOUR PROFITS!

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The following is an incomplete list of purchasers of Bean Power Sprayers from Central Texas Co., Victoria, Texas:

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Bull Dugot, Beeville, Texas.
Patrick Welder, Victoria, Texas.
A. A. Egg, Edna, Texas.
A. F. Jacob, Galveston, Texas.
Jack Miller, Victoria, Texas.
Bennett Ranch, La Salle, Texas.
McFaddin Ranch, Victoria, Texas.
H. G. Gilmore, Bay City, Texas.
Yookum Gin & Feed Co., Yookum, Texas.
Zac Lentz Hdw. Co., Victoria, Texas.
H. G. Johnson, Van Vleet, Texas.
Louis Cornelius, Blessing, Texas.
Dan Bramer, Victoria, Texas.
A. Vern Crocker, Riviera, Texas.
Dr. Hugo Auler, Austin, Texas.
Baillard Drug Co., Beeville, Texas.
R. F. Leyendecker, Lockhart, Texas.
J. A. Hill, Alice, Texas.
Dr. J. E. Bowers, Refugio, Texas.
South Texas Rendering Co., Victoria, Texas.
Hillcrest Farms, Austin, Texas.
Albert York, Victoria, Texas.
George Parr, San Diego, Texas.

C. E. Weymouth, Amarillo, Texas.
Plymouth Oil Co., Sinton, Texas.
Jim Woods, Victoria, Texas.
Barrick Cattle Co., Amarillo, Texas.
City of Victoria, Texas.
Mrs. Ira Heard, Refugio, Texas.
Gulf Coast Dairy Herd Improvement Assn., Alice, Texas.
Mrs. Sarita K. East, Sarita, Texas.
Kenedy Ranch, Sarita, Texas.
Givens Parr, Alice, Texas.
Louis E. Tarcaste, Kingsville, Texas.
Jackson Co. Drainage Dist. No. 1
City of Sinton, Texas.
Joe D. Shay, Refugio, Texas.
Power Ranch, Vidett, Texas.
Cornelius Cattle Co., Markham, Texas.
Chapman Ranch, Chapman, Texas.
Henry C. Koonitz, Inez, Texas.
Mrs. J. A. Smith, Sargent, Texas.
Claude K. McCann, Victoria, Texas.
Heep Jersey Farm, Austin, Texas.
Frank Lewis, Bay City, Texas.
C. E. Yookum, Cherokee, Texas.
Hamilton Savage, Bay City, Texas.
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Dennis O'Connor, Victoria, Texas.

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Stockmen of the Southwest who want the best prefer Bean Power Sprayers

W. B. Hamilton Heads Texas-Oklahoma Hereford Breeders

THE Texas-Oklahoma Hereford Breeders Association held its annual meeting in Wichita Falls April 15 and elected W. B. Hamilton, Wichita Falls, president and Moss Patterson, Springer, Okla., vice-president. Paul P. Colvert and George D. Keith are the retiring officers. Earl Burch, with the W. H. Hammon Hereford Ranch, Wichita Falls, will succeed Max Carpenter with Hamilton's T-Bone Ranch, as secretary and A. M. Miller, Wichita Falls, was re-elected treasurer.

Colvert and Keith were added to the directorate and all other directors were re-elected. They are: Henry Arledge, Seymour; J. S. Bridwell, Wichita Falls; W. H. Hammon, Wichita Falls; Haskell A. Holloman, Frederick, Okla.; R. D. Payne, Waurika, Okla.; Lonnie Rooney, Wilson, Okla.; and Tom B. Medders, Wichita Falls.

The association will hold its annual Hereford sale at Wichita Falls November 29, which in addition to individual bulls and females will include pens of bulls and females.

Smithdale's Spotlight Hereford Heifer Sale

SUMMARY
201 Heifers \$147,965; avg. \$736

A LARGE crowd from a wide territory was on hand for Smithdale's Spotlight sale at Smithdale Hereford Farms, Limestone, Tenn., April 14, attracted perhaps by the fact that it was an all-female sale in which the services

Retiring and new officers of the Texas-Oklahoma Hereford Breeders Association, Wichita Falls, Texas. Left to right, Paul Colvert, Wichita Falls, retiring president; center, Moss Patterson, Springer, Okla., new vice president; at the right is W. B. Hamilton, Wichita Falls, new president. Photo by Frank Reeves.



of sons of HC Larry Domino 12th was featured. Most of the heifers sold bred to Hillcrest Larry 13th and Hillcrest Larry 35th, two of the top Larry Domino bulls of the breed.

A daughter of WHR Super Symbol and bred to Hillcrest Larry 13th topped the sale at \$1,675, selling to H. F. Auman, Asbury, N. C.

A granddaughter of Domino Lad C 14th, bred to Hillcrest Larry 35th, sold to L. H. Shumate, Johnson City, Tenn., for \$1,525.

The third top was established on another granddaughter of Domino Lad C 14th, bred to Hillcrest Larry 13th. She sold to P. L. K. Deaton, Statesville, N. C. for \$1,500.

The cattle were not especially fitted but were in excellent breeding condition and went to buyers from 10 states.

Colonels G. H. Shaw, Walter Britten,

A. W. Hamilton and Harry Hamilton were the auctioneers.

Hutchens Elected President of Fort Worth Market Institute

HOUSTON P. HUTCHENS, livestock commission man, was elected president of the Fort Worth Livestock Market Institute at its annual meeting recently. C. L. Keen, Jr., is the retiring president. Charles W. Daggett and W. L. Joyce were named vice presidents.

Four new directors were named: W. L. Pier, manager of the Fort Worth Stockyards, Claude Marret and Roy Boswell, commission men. Dike Souder was named to fill the unexpired term of the late Odus Smith.

Ted Goudly was re-elected secretary-manager.

HIS CALVES ARE OUTSTANDING



Straus Royal Domino 7th

STRAUS ROYAL DOMINO 7th

By our Register-of-Merit Sire TT Royal Triumph. We now have several calves by the "7th" and are very pleased with their individuality. These calves promise he will be another top sire, as have many of his half-brothers. We would be pleased to have you visit us and see his calves as well as the calves by his sire, TT Royal Triumph.

Our Thanks

To Dr. William P. Phillips, Greenville, Texas, for his purchase of 21 open heifers. Our best wishes go with these heifers and we sincerely hope they will be a top addition to his herd.



STRAUS

Medina
HEREFORD RANCH

San Antonio, Tex.



J. R. Straus • David J. Straus • Joe Straus, Jr. • H. A. Fitzhugh, Mgr.

Cattle-King Horse, Colt Show

THE tenth annual Cattle-King Horse and Colt Show held April 18-19 at Paducah, Texas, was one of the best shows ever held despite rain which fell before and during part of the contest.

Mrs. Grace Jones Piper, secretary of the Cattle-King Livestock and Rodeo Association, Inc., reports that ranchers and horsemen attending the event were so glad to get the rain they paid little attention to what effect it had on the show.

S. D. Jernigan of Goldthwaite judged the halter classes. The arena events and performance classes were judged by Ed Heller of Dundee, Jerre Barnes of Electra and Sheriff John Stott of Matador.

In the halter division Poco Bay, owned by Charles King of Wichita Falls, was judged grand champion stallion of the show. Reserve champion stallion was Squeaky, owned by Doyle Saul of Plainview.

Fancy B, owned by Nick Barnes, Tulia, was grand champion mare of the show, and Daffodil, owned by Kirby Walters, Pampa, was reserve champion mare.

In the children's flag race Jim Bateman of Knox City, riding Crowdad, took first place. Donald Hollar of Guthrie, riding Jiggs, won the boys' saddle horse class. Juanelle Ward Wilson of Dougherty, riding Sissy, won the girls' flag race.

In the performance classes the following winners were announced: Junior Reining Contest, Sunnybrook, ridden by Tom Austin of Guthrie. Junior cutting horse contest, G's Band, ridden by Marion Josselet, Haskell. Senior reining horse contest, White Man, ridden by Son Reed, Iowa Park. Senior cutting horse contest, Hollywood Snapper, ridden by Elmo Favor, owned by Dr. and Mrs. D. G. Strole, Abilene.

Rancher Honored

JOE D. JOHNSON of Fort Worth was elected national vice-commander of the Order of Daedalians at the organization's annual meeting held at Kelly Air Force Base, San Antonio, April 11-12.

The Order of Daedalians is a patriotic and military fraternal organization composed of commissioned air force pilots of World War I. The organization has 500 members including 18 who live in Fort Worth, one of whom is Watt W. Reynolds.

Johnson has ranching interests in Palo Pinto and Fannin counties.

CORRECTION

IN AN article appearing in the April issue headed "Headquarters of BAI Beef Cattle Research Transferred to Denver" an inadvertent statement showed A. L. Baker having been at one time in charge of the U. S. Range Livestock Experiment Station at Miles City, Mont. The statement should have read as follows: "The greater part of the time he was in charge of the Iberia Livestock Experiment Station at Jeanerette, La., and Assistant Superintendent of the U. S. Range Livestock Experiment Station at Miles City, Mont." J. R. Quesenberry has been in charge of the Miles City Station since 1926.

Your Brand
is your coat of arms,
but it is of little use
unless it is recorded.

QUARTER HORSE BREEDERS CONSIGNMENT SALE

BROWNWOOD LIVESTOCK AUCTION BARN

MAY 27

ON OLD MAY ROAD
1:00 P. M.

MAY 27

BROWNWOOD, TEXAS

SELLING FIFTY HEAD

Featuring the get of Cuate AQHA 9190 (by Zantanon)—there will be 12 sons and daughters of Cuate in this sale, Little Jazz P-15,068, Fred Bailey P-743, Dogie Boy P-1725, Skipper, and Sinney P-14,108 (by Royal King P-2392 by King P-234).

LITTLE JAZZ SELLS; SINNEY SELLS; he is a proven cutting horse and has been judged Grand Champion in both Quarter Horse and Palomino Stock Horse classes more than a dozen times in the past three years.

ALSO 50 head of CUTTING, ROPING AND REINING geldings, mares and colts sell. Here is your opportunity to buy that colt from a triple registered Quarter Stud or a good Brood Mare in foal at your price.

All horses in sale will be from ranches of Oral D. Morris, Sidney, Texas; H. C. (Buck) Williams, Blanket, Texas; Whitesides Ranch, Sipe Springs, Texas; C. A. Ditmore, Cisco, Texas; C. S. Dudley, Comanche, Texas; Lucian Neal, Santa Anna, Texas; and Ben Stelle Ranch.

WALTER BRITTEN, Auctioneer

Catalogs ready about May 1st. For Catalogs Write:

H. C. (Buck) Williams
Blanket, Texas

C. A. Ditmore,
Cisco, Texas

Oral D. Morris,
Sidney, Texas

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will react quicker, growing and fattening on your good grass and make more economical gains than any kind of cattle from any other area. They may not be as pretty, but they'll net you a greater margin of profit than anything you've seen.

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The Cattleman's

WASHINGTON ROUND-UP

By THE CATTLEMAN'S Special Washington Correspondent

Controllers Out on a Limb—Two of the saddest controllers in Washington today are Price Director Ellis Arnall and his boss, Roger L. Putnam, Economic Stabilizer, who are caught in the middle of the steel controversy.

These two proponents of price controls are now aware that any semblance of price control has been destroyed by the President's decision to grant an excessive wage increase to the steel workers.

With this kind of political favoritism, it is obvious to well-informed members of Congress and other officials in government that stabilization has been dealt a severe blow, from which it will not recover.

The steel wage increase is of great concern to the cattlemen. Secretary Charles F. Bramman reports gross farm income over the past few years has remained at approximately the same level, while there has been a continuing drop in the per cent of net farm income.

This is a direct result of ever-increasing costs of all the things the farmer has to buy. Another round of wage increases touched off by the steel case will be reflected in even higher costs of all the goods and services the farmer must buy. There is little doubt that if the steel workers are granted the exorbitant pay increase which they demand, and which is favored by President Truman, other

unions will demand and receive similar increases.

Congressman Poage Ready to Drop Controls—Congressman W. R. Poage of Texas says, "As far as I can see the time has certainly come to remove all price controls on food; and as far as I can see controls should be removed on all other commodities." Last year Congressman Poage offered an amendment which, had it been adopted, would have provided the automatic decontrol of any commodity when the market price consistently stayed below the ceiling price.

Price Ceilings to Be Lifted on Fats and Oils—Ellis Arnall, Price Stabilizer, has announced that the OPS is prepared to immediately suspend the ceilings on cattle hides, kips and calf skins, edible fats and inedible tallow and grease.

OPS has prepared actions to suspend ceilings on these items in answer to a Congressional demand headed by Senator Maybank of South Carolina that the OPS work out a formula to lift price controls on commodities which continue to sell at prices substantially below official price ceilings. OPS is counting heavily on its decontrol formula to win approval in Congress to extend price ceilings another year. Government stabilizers have also passed the word to their key personnel to do everything possible

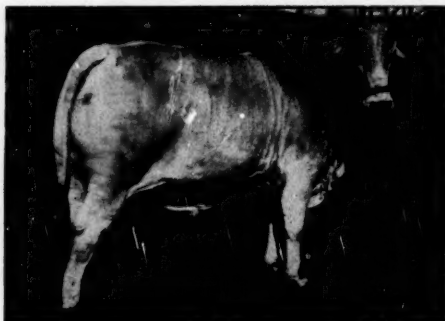
between now and election to make controls easy on business and industry.

Whether or not price controls will be continued is one of the most debated subjects in Washington right now. The House Banking and Currency Committee has not yet commenced hearings, and no positive action is expected in either the House or the Senate on bills extending economic controls until the steel issue is settled.

Meanwhile, farm and other organizations continue to blast controls and to urge their removal. A typical example is a letter recently sent by a Western association to all members of Congress attaching an advertisement by Safeway Stores, Inc., exposing various practices of OPS which are harmful to consumers and which add to the cost of goods.

The Safeway ad showed that the OPS district office in Helena, Montana, has an annual pay roll to its employees in excess of \$246,000 per year. This is a terrific waste of government funds. Congressmen were advised that the several thousand employees in the price control agency could better serve the nation if their labor was put to productive use in creating more goods.

Senator Kerr Favors Parity Bill for Cattle—Senator Robert Kerr of Oklahoma, who would like to be President, testified recently in favor of his bill, S. 2992, which would require support prices at 100 per cent of parity for a long list of agricultural products including beef cattle, hogs, wool, whole milk, butterfat, wheat, corn, cotton, and many other commodities. The Senator apparently feels that free enterprise is not sufficient to safeguard the interests of the cattlemen and the farmers. Repre-



Mr. V-8 44th—ABBA No. 34439—One of the bulls out of 1947 calf crop. Picture taken at 18 months of age.

REGISTERED BRAHMAN CATTLE FOR SALE



Ranch located 22 miles S. E. Center, Texas, on State Hwy. No. 87
Office Parker Motor Co., Center

It's Here!

For the first time in history a hackamore reinsman has revealed the secrets of his trade in written form. Now every horseman can learn the most intricate details of training with the Spanish hackamore! HACKAMORE REINSMAN is truly a momentous FIRST!

This book is the most complete manual on horse training ever published; there's nothing left to guesswork or imagination. Author and illustrator worked together to make this book equally valuable for experienced trainers and serious amateurs. Ed Connell is one of the few remaining hackamore experts, and is the first to pass his knowledge on to the world. His methods of handling the reins apply to snaffle bit training as well as the hackamore. HACKAMORE REINSMAN is a book the serious horse trainer cannot afford to be without.

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CENTRAL TEXAS SHORTHORN SALE

STEPHENVILLE, TEXAS

WED., MAY 21st, 1:00 P. M.



Golden Oak Leader 25th—Champion sale bull 1949 Fort Worth sale. Sire of top selling female at the 1952 sale. Three cows sell mated to him and two daughters sired by him.

Selling 61 HEAD REGISTERED SHORTHORNS



Prince Peter Mason—Reserve champion Fort Worth, champion Houston and San Antonio 1951. Two cows sell mated to him and one calf at foot sired by him.

21 BULLS, 14 COWS, 17 BRED HEIFERS, 9 OPEN HEIFERS

Featuring the get of the following sires: Prince Peter • Edellyn Royal Leader 14th • Prince Peter Albert • Golden Oak Leader 28th • Golden Oak Prince 30th • Golden Oak Leader 37th • Hallwood's Comanche 12th • Goldfinder's Pride • Prince Peter Dale • Broadhooks Success • Prince Peter Manley • Marellbar Landmark • Prince Peter Emblem 4th • Hallwood's Command 13th • Golden Oak Prince 7th • Klaymore Legend • Golden Oak Leader 25th • Prince Peter Choice • Prince Uprising • Golden Oak Leader 24th • Prince Peter Lord.

The bred cows and heifers are carrying services to a battery of 16 young, promising herd sires as follows: Prince Peter Albert Edellyn Royal Leader 118th • Prince Peter Mason • Golden Oak Leader 37th • Len Del Mercury • Golden Oak Leader 74th • Marathon's Goldbar • Prince Peter Manley • Goldfinder's Pride • Golden Oak Leader 25th • Hickories Ransom • Golden Oak Leader 64th • Prince Peter Brilliant • Klaymore Legend • Golden Oak Prince 49th • Ark Lea Upright 5th.

Consignors

C. M. Caraway & Sons De Leon, Texas
B. O. Koonce Desdemona, Texas
Z. L. Koonce Desdemona, Texas
Hubert Blasingame Duke, Oklahoma
Deward C. Jones Tyler, Texas
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J. Doss Miller De Leon, Texas
Rodney Spencer De Leon, Texas

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Carl L. Duke Oglesby, Texas
C. H. May Moody, Texas
Bruce Lane Comanche, Texas
Felix Shaffer Meridian, Texas
James Milton Caraway De Leon, Texas
Johnson Farms Mangum, Oklahoma
Spraggins Brothers Duke, Oklahoma
Mrs. W. N. Koonce Desdemona, Texas
Hico, Texas

A brief summary, record of performance, of some of the younger sires: Golden Oak Leader 28th, sire of the champion sale bull 1952 Fort Worth sale, selling one of his sons and three daughters; Prince Peter Albert, winner of many championship prizes, selling two sons and one daughter; Golden Oak Leader 25th, champion sale bull 1949 Fort Worth sale, sire of top selling female 1952 Fort Worth sale, selling two daughters; Goldfinder's Pride, champion Great Falls, Montana, 1949, selling two sons; Prince Peter Mason, reserve champion Fort Worth, champion Houston and San Antonio, Texas, 1951, selling one daughter.

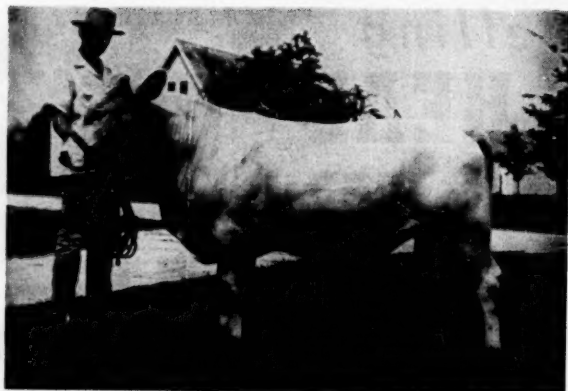
The blood of Prince Peter and Edellyn Royal Leader 14th is predominant in this sale. Prince Peter's blood is carried on through two sons, seven grandsons, three great-grandsons, four daughters, ten granddaughters and two great-granddaughters. Edellyn Royal Leader 14th's blood is carried on through one son, four grandsons, two daughters and ten granddaughters.

The sale will again be sponsored by Comanche County Shorthorn Breeders' Association—Z. L. Koonce, President; A. H. Caraway, Secretary. The sale committee consists of Z. L. Koonce, Desdemona; Bill Lane, Gustine; E. D. Mahan, De Leon, and J. B. Cooper, Blanket. Tom W. Bridges, Henderson, Texas, has been selected to judge the sale cattle. The cattle will be placed for sale order at 9:00 a. m., City Park Sale Pavilion. C. D. Swaffar, Auctioneer.

For catalog, write: A. H. Caraway, Sale Manager, De Leon, Texas

Charolaise

THE LARGEST CATTLE ON EARTH



REGISTERED TWO-YEAR-OLD AND YEARLING CHARBRAY BULLS FOR SALE

Come and see them.

LAZY V RANCH

BANDERA, TEXAS

SHORTHORNS

A Small Herd of Good Ones
Headed by Grandview Upright 2d
We have a nice group of calves on
the ground by this bull and they
are proving him to be a real herd
sire.

FOR SALE—14 select, young
Shorthorn commercial heifers,
priced to sell.

Carley B. Barker and Benton
MOSHEIM, TEXAS

SHORTHORNS

That have superior range qual-
ities. They will add milking
ability, weight and beef con-
formation to your herd, too.

SCOFIELD RANCH
AUSTIN, TEXAS

J. DOSS MILLER
DE LEON, TEXAS

sentatives of the cattle industry have frequently stated in Washington that they do not want to be a party to any government powers that support prices on the one hand, or control them on the other.

Railroads Given Big Freight Rate Boost—The Interstate Commerce Commission has granted the 12th freight rate increase to the railroads since 1945. The latest increase will add about 678 million dollars a year to transportation charges. It will add to the cost of everything that the cattlemen and the farmers buy, but nobody seems to be steamed up about it, according to Senator Humphrey of Minnesota. Senator Aiken of Vermont notes that the farmers don't have an Interstate Commerce Commission working for their interests such as the railroads have working for them.

Brahmans Average \$1588 at Imperial National Sale

A RECORD average price of \$1,588 was paid at the Imperial National Brahman sale, held in Bartow, Fla., March 22. It was the first nationally sponsored Brahman sale ever held.

Twenty-eight head sold for \$45,225. Twelve females sold for an average of \$1,712.50 and sixteen bulls sold for an average of \$1,542.10.

The most active buyer in the sale was Alcide Dominique of Circle D. Ranch, LeBeau, La., who was also a consignor. Dominique bought the highest price female JTG. Miss Resoto Manso 127, consigned by J. T. Garrett of Danbury, Texas, for which he paid \$3,500. He also bought the second highest priced bull JDH Mason Resoto Manso, from J. D. Hudgins Ranch of Hungerford, Texas, for \$3,500.

The Louisiana rancher also purchased a bull and heifer consigned by Burke Brothers of Corsicana, Texas, for \$2,200 and \$1,700, respectively. His total purchases amounted to \$10,900.

1st ADS Emperor, Jr., 8th, from A Duda & Sons Ranch at Cocoa, Fla., was the highest priced bull of the sale, bringing \$3,850 from M. Caruso of Sarasota, Fla. Duda's ADS Queen de Manso 510, sold for \$3,100 to the U. S. Sugar Corporation at Clewiston, Florida.

Lady Largo Emperor 1st, consigned by H. O. Partin & Sons, Kissimmee, Fla., sold for \$2,500 to Clyde Keys, St. Petersburg, Fla.; Florida King Emperor, consigned by W. H. Stuart of Bartow, Fla., sold for \$2,300 to M. Caruso; and Echo's Queen 126, consigned by Eugene Griffin & Sons, Bartow, sold for \$2,000 to Clyde Keys.

Western farmers and ranchers have boosted their total meat output by over a third in the past 25 years. Researchers of the U. S. Department of Agriculture and 12 Western State Experiment Stations say two practices cattlemen have adopted have been mainly responsible for the gains. First, cattlemen over a period of years have cut down the proportion of 2, 3, and 4 year old steers in their herds and made a proportionate increase in breeding stock and younger animals. Second, they have increased the proportion of calves born and raised to a marketable age from an average of 70 per 100 cows to about 80 per 100 cows.

Care at calving time will result in a better calf crop.

ABERDEEN ANGUS SALE

SATURDAY, JUNE 7th

AUSTIN — TEXAS



BANDOLIER KEILLOR 7th

**SELLS
AS
LOT 1 BULL**

Aberdeen-Angus breeders and their friends are cordially invited to be with us at Keillor Ranch on June 7th. Come early and look them over good. Lunch will be served at 12 noon and the sale will start at 1 p. m.

Keillor Ranch located 10 miles north of Austin, Texas, on the Pflugerville Road.

4

TOP BULLS SELL:

- 2 SUNBEAM BRED BULLS**
- 2 BANDOLIER BRED BULLS**

14

OPEN HEIFERS—

Families: Miss Burgess, Georgina, Zara, Erica, Queen Mother, McHenry, Barbara, Blackcaps, Juana Ericas.

19

BRED HEIFERS—BRED TO:

PRINCE PEER 5th OF DEN-MOR

Son of Prince Peer of Angus Valley

BAR EVER PRINCE

Son of Ever Prince of Sunbeam

18

**COWS with
CALVES at Side**

*We Think You Will Like This Offering
of Cattle*

Ray Sims • Auctioneers • Bill Hagel

**Write or Call for
Hotel Reservations.**

**Headquarters,
Austin Hotel,
Austin, Texas**



Watson Brothers

**KEILLOR
RANCH**





"OTIS" AUSTIN TEXAS "LUTHER"

**Write for
Your
Catalog**

ABERDEEN-ANGUS

**"THE BREED WITH
A RECORD"**



Herd Sires

MASTER PRINCE 2d
by Prince Sunbeam 29th

MASTER 4th OF ESSAR
by Master Page

PRINCE SUNBEAM 401st
by Prince Sunbeam 100th

Visitors always welcome
Tom Slick, Owner
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Elkenners Center of The Southwest
Using Homestead Elkenners 45th
and Homestead Elkenners 96th
Both by Elkenners 487th

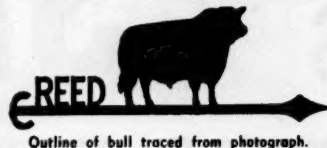
DR. J. B. RENEAU, JR.
MUNDAY, TEXAS

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five years, \$8; foreign, one year, \$4.



At the 1951 American Royal Carlot Feeder Show
Kansas City, Mo., Wednesday, Oct. 17, 1951

"Second place in the Angus class went to 20 head of steers bred and shown by Claussen Angus Ranch, Russell, Kansas, with the third place spot taken by the entries of Fred M. Shaffer, Russell, Kansas." The Claussen calves were "third place over all breeds in carlot feeders." Both these lots were sired by Beefmaker Bulls.

C. E. REED

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Our Thanks and Best Wishes to

DR. JOE J. PATE DUBLIN, TEXAS

For his recent purchase of five heifers, a BALLINDALLOCH JILT, WITCH OF ENDOR, JUANA ERICA, BLACKCAP EMPRESS and MISS BURGESS. Selected from our herd as foundation cows.

CHANDLER'S ANGUS FARMS
NOCONA, TEXAS

Registered Aberdeen-Angus

Our herd sire: Prince Sunbeam 149
by Black Prince of Sunbeam
Visitors Welcome

Tinney's Angus Farm
DENTON, TEXAS



**8-year experiment
shows Angus calves
WEIGH MORE AT WEANING**



**Angus averaged 66 lbs. more
than calves of other breed**

In 8 continuous years of comparison by a leading state university between two major beef breeds involving 374 calves . . . ANGUS purebred calves outweighed purebred calves of the other breed by 66 lbs. average at weaning time. Since all calves were fed and handled the same, this accurate experiment proves: "Angus calves grow faster!" Be ahead! Buy Blacks! Wean bigger calves!

American Aberdeen-Angus Breeders' Ass'n
Chicago 9, Illinois

WHEATLAND FARMS

Aberdeen-Angus

Where Champions Are Bred



*Home of the famous "Revemeres,"
"Repeaters" and "Chimeras"*

You are invited to inspect our show herd at the shows and to visit the farm whenever possible.

We breed our show cattle and show our breeding cattle.

Seed Stock Always for Sale

JAS. B. HOLLINGER
CHAPMAN, KANSAS

ABERDEEN-ANGUS
Popular Bloodlines. Desirable Quality.
Attractive Prices.

CAPPS RANCH
TIPTON, OKLAHOMA

1500 pure bred Angus steer and heifer calves for
sale for October delivery, average weights 425
pounds at delivery date.

LEWIS AND GOWDY
ARCH, NEW MEXICO
Phone 1400, Portales, New Mexico

Lokwood-Riceland-Ramsey Angus Sale

SUMMARY

5 Bulls	\$ 995; avg.	\$199
71 Females	35,095; avg.	494
76 Head	36,090; avg.	475

TOPPING the Lokwood-Riceland-Ramsey Angus sale held April 2 in San Angelo, Texas, was Edwin of Wheatland 16, a seven-year-old daughter of Revolution of Wheatland 61. This good Edwina Erica, with a heifer calf at side, sold to Daniels Angus Farm, Fairfield, Texas, for \$1,650.

Selling for \$1,600, the second top price of the sale, was Winsome of Paris, a six-year-old Witch of Endor with heifer calf at side. This double-bred Prizemere 32nd female sold to J. V. Hampton, owner of Sondra-Lin Stock Farm, Fort Worth, Texas.

Pride Eric's Barbara 5, a four-year-old McHenry Barbara by Ravenswood Pride Eric, sold with a heifer calf at side to Jess Alford, Paris, Texas, for \$1,225. The three top selling animals were all from the Riceland Farms herd.

A Pride of Aberdeen granddaughter of Eileenmere 85th from Lokwood Farm went to H. H. Engleking, Premont, Texas, on a bid of \$900.

The five bulls were all from the Lokwood Farm. All of the cattle were offered in ordinary range condition.

Walter Britten and Don Estes were the auctioneers.

Black Gold Angus Sale

SUMMARY

5 Bulls	\$ 3,750; avg.	\$750
58 Females	46,285; avg.	798
63 Head	50,035; avg.	794

THE annual production sale of Black Gold Angus Farms, owned by Mr. and Mrs. Marvin Simpson, was held April 5 at the farm near Robert Lee, Texas.

Top selling lot of the sale was a good headed, stylish Ballindaloch Georgian granddaughter of Quality Prince of Sunbeam with a heifer calf at side by Homeplace Eileenmere 999th 5th. This outstanding pair went to Tom Daniels, Austin, Texas, on a bid of \$3,225.

Contesting for top money with a selling price of \$3,150 was Witch Princess G. A. S. 3rd, a Witch of Endor daughter of Prince Sunbeam 314th. She sold to Daniels Angus Farm, Fairfield, Texas, carrying the service of Envious Bardolier 3rd, the 1949 International Junior Champion and the 1950 Grand Champion of the National Western Livestock Show.

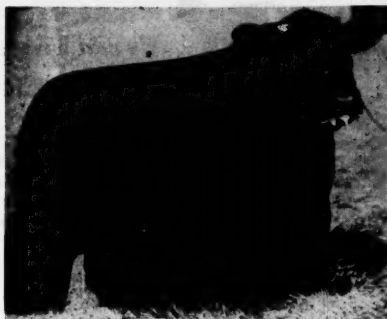
Sol Kelly, Sonora, Texas, paid \$1,675 for Miss Ballindaloch of Alford, a June, 1950 daughter of Alford's Quality Prince and Triple A Ranch, Jonesburg, Mo., bid \$1,275 to get Blocky Blackcap H. 33rd, a Lantz Blackcap daughter of McHenry Barbara S. 7th.

Topping the bull offering at \$1,150 was Black Gold Prince 33rd, a September, 1950 son of Prince Sunbeam 334th. This good prospective herd sire went to O'Neil Rocky, Muleshoe, Texas.

Sol Kelly, one of the heaviest buyers of the sale, paid \$700 for Black Gold Bardolier 3rd, a November, 1950 son of Erica's Bardolier.

Bill Hagel was the auctioneer.

Your Brand
is your coat of arms,
but it is of little use
unless it is recorded.



Prince 45th of Essar

H. R. BURDEN RANCH

7 Miles East of Ennis, Texas, on Highway 34, Phone 709-J-1

Harry B. Burden,
Manager

Arvel L. Baker
Herdsman

Registered and Commercial Aberdeen-Angus

Prince 15th of Essar and Prince 45th of Essar herd sires. We have some young bulls and some cows for sale at private treaty. Come to the Angus field day May 24 at the Cedar Hill Ranch, Cedar Hill, Texas, and see some of our bulls.

Don't forget

The San Angelo Sale JUNE 4th

We Are Consigning 2 Range Bulls

Our '52 calf crop, sired by Prince Evascus, is looking very promising.

We have had rain and the grass is getting green.

Visitors Always Welcome

Bradford's *Registered*
ABERDEEN-ANGUS
Cattle
CLYDE R. BRADFORD and MERRILLA BRADFORD Owners Address Route 2, Happy, Texas
Ranch Located 1½ miles west of Kaffir Switch, off U. S. 87, halfway between Tulia and Happy



We've heard that one good breeding bull will "make" you in the cattle business. We're counting on Homeplace Eileenmere 62nd to do this for us.

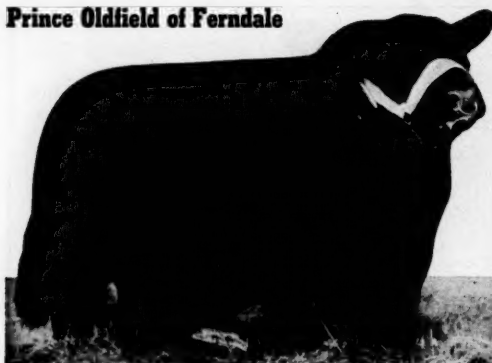
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**RANGE BULLS
FOR SALE**

A number of range bulls of service age to show you.

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ABERDEEN-ANGUS CATTLE

LOCATED 5 MILES NORTH OF FORT WORTH STOCK YARDS, 2 MILES EAST OF SAGINAW

ANGUS FOR SALE

We now offer top quality bulls of serviceable age and a number of excellent young females.

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Registered Aberdeen-Angus Cattle

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Harold Reynolds, Manager



Stock Farm
Located 2 Miles South of Arlington, Texas

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RAONA'S PRINCE ERIC by Prince Eric of Sunbeam
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Wichita Mountain Area Aberdeen-Angus Sale

SUMMARY

41 Bulls	\$13,730; avg.	\$335
35 Females	15,150; avg.	433
76 Head	28,880; avg.	380

THE Wichita Mountain Area held their first annual Aberdeen-Angus Sale at Lawton, Oklahoma, on Monday, April 14, with the offering including mainly range bulls and females in pasture condition.

The top bull was consigned by Ted Lynch, Apache, Okla., and he sold to Dr. W. E. Crump, Wichita Falls, Texas, at \$1,000. Second top bull was consigned by Richard Fowler, Ninn'kah, Okla., and he sold to Elton Hay and Son, Duncan, Okla., for \$950.

The top female was purchased by Clarence Burch, Ravia, Okla., for \$925, and she was consigned by George Adams, Wichita Falls, Texas. Second top female was consigned by Walter Oler, Watonga, Okla., and she sold to Dr. W. E. Crump for \$775.

C. D. "Pete" Swaffar and Guy Shull were the auctioneers.

C. L. Gunter Elected President Swisher County Angus Assn.

C. L. GUNTER of Silverton was elected president of the Swisher County Aberdeen-Angus Association at a meeting of the organization in Tulia April 15.

A. C. Alexander, also of Silverton, was elected vice-president, and Clyde Wilkins of Tulia was elected secretary-treasurer. Clyde R. Bradford of Happy was re-elected publicity director.

Directors of the Association are Victor L. Harman, Happy; Roy Pyeatt, Nazareth; Norman McAnelly, Tulia; I. H. Turney, Tulia; F. W. Caruth, Tulia; B. O. Abrams, Tulia; and Mrs. Frank Dorris, Happy.

A sales committee for the Texas Aberdeen-Angus Association sale to be held in Amarillo Sept. 25 was appointed. Those serving are Bradford, chairman; Richard M. Buckles, Stratford, and Clifford Farmer, Memphis.

Angus Association Crowded In Present Quarters

IN VIEW of the rapid growth of the purebred Aberdeen-Angus business and the contemplated need for more adequate office space in the future, directors of the American Aberdeen-Angus Breeders' Association have approved a plan which may lead to a new permanent home for the registry offices.

Ground work for this far-sighted planning program by the national board of directors and its building fund committee will be a detailed survey of the projected needs of the association in the way of office space. Complete information regarding suitable sites for a new permanent home office also will be assembled.

In taking this action, the directors pointed out that the present Chicago offices of the association have been expanded twice since April 1949. Each expansion has doubled former office space. Breeders recall that in April 1949 the association took over the former offices of the Percheron Horse Association in the Union Stock Yards. Rapid growth of the Aberdeen-Angus business and the mounting registry and transfer work

made it necessary to find additional office facilities in 1951. This was achieved by connecting with a stairway the old office on the second floor of the purebred record building and the first floor offices, occupying the space vacated by the Illinois State Employment Service. This space again almost doubled the working area of the national association. It meant that in less than three years the office space had been increased almost four times its original space.

Evidence of the growth of the breed during the past decade is noted in the advance in registrations, transfers and new breeder-members. There were 503,390 Aberdeen-Angus registered during the past five years, 1947 through 1951, as compared with 286,918 in the five-year period of 1942 through 1946. The past five years show a remarkable 75.44 per cent increase in registrations over the previous five-year period. Transfers for 1947 through 1951 were 433,663 as compared with 1942 through 1946 when they totaled 251,203. This represents a gain of 72.63 per cent. New breeder-members numbered 10,748 during the past five years as compared with 6,994 during the previous five years or a gain of 53.81 per cent. The association employs around 160 people to handle this work.

Aberdeen-Angus Transactions

Marvin B. Simpson, Robert Lee, Texas, sold four bulls to Vernon B. Cox, Sweetwater, Texas, and a bull to H. C. Varnadore, Mena, Ark.

M. L. Priest, Non, Okla., purchased 17 cows from Mrs. Ben F. Harrison, Holdenville, Okla.

Frank Crawford, Hickory, Okla., sold Texas, two cows and a bull to D. W. Grigsby, Nocona, Texas, and a bull to six cows and two bulls to W. H. Underhill, also of Hickory.

S. W. Wilkins of Peotone, Ill., sold 11 cows and a bull to W. H. McKenzie, Pawhuska, Okla.

Sunny Dale Ranch of Davis, Okla., sold two cows and a bull to B. F. Mitchusson, Fitzhugh, Okla.

W. E. Roane, Valley View, Texas, sold six cows to C. M. Tuton, Collinsville, M. E. Veazey, Van Alstyne, Texas.

Jack Canning, Eden, Texas, sold nine cows to E. H. Chandler, Ozona, Texas.

Six bulls were sold to Jack Allison, Fort Stockton, Texas, by Katherine Fullerton Moore, Miami, Okla.

Morgan and Lemley of San Angelo, Texas, purchased seven bulls from J. E. Henderson, Eden, Texas.

James C. Tucker, Marble Falls, Texas, sold four bulls to J. Walker Haymore, San Antonio, Texas, two bulls to Donald Duncan, Burnet, Texas, and a bull to Campbell Ranch Co., Lampasas, Texas.

Carmen Calleja, San Antonio, Texas, sold ten cows and two bulls to Milton Uecker, San Antonio, and a cow to A. J. Sowell, also of San Antonio.

G. Russell John of Lawton, Okla., purchased ten cows from Lyman L. John, Lawton.

Ten cows were sold to O. E. Manning, Pawnee, Okla., by H. G. Eshelman, Sedgwick, Kans.

A. M. Wilkins, Henderson, Texas, sold three cows to Bailey E. Smith, Henderson, and a cow to Emory L. Wright, Yantis, Texas.

Four cows were sold to George N. Lyda, Marble Falls, Texas, by R. M. Burnam, Marble Falls, Texas.

Dunraven Ranch

Registered Aberdeen-Angus



It is with mingled feelings that we announce a change in location. We have sold our Marble Falls, Texas, Ranch and purchased a farm 15 miles from Austin on the Bastrop Highway, where we will build our future home. While we regret leaving our very fine Burnet County neighbors, we had been looking for an irrigated farm for several months, and we feel fortunate to have located one close to the delightful city of Austin, Texas. We will now be equipped to grow the grain and grasses necessary to the feeding and fitting of quality animals.

We shall continue in our Aberdeen-Angus cattle breeding business. It will be several months before our house and barns are finished and our irrigation system completed on our new farm, and in the meantime we shall operate from the Cecil Ruby Ranch located six miles west of Buda, Texas, on Farm Road No. 967, which we were fortunate enough to lease. We will continue to have young breeding stock (registered) for sale.

James C. Tucker & Sons, owners

BUDA, TEXAS

Telephone 35

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2105 North Akard

Your brand is your coat of arms, but it is of little use unless it is recorded.

TWO outstanding bulls are being used on our females*

★ BLACK PEER OF LAKEVIEW

Outstanding breeding son of Prince Sunbeam 105th.

★ MASTERMERE

Great breeding son of Eileenmere 487th and out of the same dam as International Champion Master Prince of Sunbeam.

**Our cow herd is composed of females of popular families from leading herds across the nation.*

FOR SALE

Herd sire prospects, range bulls and registered and commercial females of all ages. The registered cattle are of Sunbeam, Eileenmere and Bardolier breeding. All are in good flesh. Our farm is located 20 miles northeast of Tulsa (16 miles north on OK-11 and 4 miles east on OK-20).

LAKE VIEW FARMS, TULSA, OKLA.

R. B. WARREN, JR., Owner . . . National Bank of Tulsa Building
BOB TREAT, Foreman . . . (Ranch Phone R-32 - Skiatook, Oklahoma)

ANGUS FOR SALE

Bulls and Females

We now have an excellent group of 24 yearling heifers for sale. These females are of the following families: Blackcap Empress, Prides, Ericas, Elbas and Queen Mothers. Also for sale at this time are 25 top range bulls ready for heavy service, and a number of younger bulls.

These cattle may be seen at the farm.

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Angus Show Classifications For 1953 Summer Shows

FIVE changes in the show classification for Aberdeen-Angus breeding cattle are announced by Frank Richards, secretary of the American Aberdeen-Angus Breeders' Association. These changes will not become effective until the summer shows next year. Starting with the 1953 summer shows, both the five-bull group and the produce of dam classes will be eliminated. The three-bull group will be changed to three bulls, any age, owned by the exhibitor. Two-year-old heifers will be those calved between May 1 and August 31, 1951, and senior yearling heifers will be those calved between September 1 and December 31, 1951. Listed below are the 33 classes:

1. Two-year-old bulls calved between May 1, 1950 and April 30, 1951.
2. Senior yearling bulls calved between May 1 and December 31, 1951.
3. Junior yearling bulls calved between January 1 and April 30, 1952.
4. Summer yearling bulls calved between May 1 and August 31, 1952.
5. Senior bull calves calved between September 1 and December 31, 1952.
6. Junior bull calves calved after January 1, 1953.
7. Summer junior bulls calved after April 1, 1953 (at shows after January 1, 1954).
8. Senior champion bull.
9. Reserve senior champion bull.
10. Junior champion bull.
11. Reserve junior champion bull.
12. Grand champion bull.
13. Reserve grand champion bull (champions and reserve champions competing).
14. Three bulls, any age, owned by exhibitor.
15. Two bulls, any age, bred and owned by exhibitor.
16. Two-year-old heifers calved between May 1 and August 31, 1951.
17. Senior yearling heifers calved between September 1 and December 31, 1951.
18. Junior yearling heifers calved between January 1 and April 30, 1952.
19. Summer yearling heifers calved between May 1 and August 31, 1952.
20. Senior heifer calves calved between September 1 and December 31, 1952.
21. Junior heifer calves calved after January 1, 1953.
22. Summer junior heifers calved after April 1, 1953 (at shows after January 1, 1954).
23. Senior champion female.
24. Reserve senior champion female.
25. Junior champion female.
26. Reserve junior champion female.
27. Grand champion female.
28. Reserve grand champion female (champions and reserve champions competing).
29. Get-of-sire: Four animals from above classes, both sexes represented, owned by exhibitor.
30. Junior get-of-sire: Three animals, both sexes represented from classes 5, 6, or 7 and 20, 21, or 22, owned by exhibitor.
31. Pair of calves, 1 bull from class 5, 6, or 7 and 1 heifer from class 20, 21, or 22, bred and owned by exhibitor.
32. Pair of females, any age, bred and owned by exhibitor.
33. Pair of yearlings, 1 bull from class 3 or 4, and 1 heifer from 18 or 19, bred and owned by exhibitor.

New Angus Records Quoted in Mid-Year Tabulation

A RECENT tabulation of registration, transfer, and membership figures by the American Aberdeen-Angus Breeders' Association of Chicago for the first six months of the 1952 fiscal year indicates a marked increase in the current development of the Black breed.

The expansion of Aberdeen-Angus has been soaring to new heights during recent years. The association registered 106,034 purebred Angus calves in the American Herd Book from October, 1951, through March, 1952. This six-month period showed an increase of 25.3 per cent over the number of calves registered during the first six months of the 1951 fiscal year.

From a very obscure beginning in 1873



San Angelo 4 Angus Sale

60 BULLS *Eighth Annual* **3000 FEMALES**

Aberdeen-Angus Distribution Sale

San Angelo, Texas, Wednesday, June 4th

3000 FEMALES: Grade Cows and Calves -- Cows, Heifers, Bred and Open

60 REGISTERED BULLS

16 Months of Age or Older • Range and Herd Bulls, Ready for Work

From These Herds:

W. L. Turner	Gatesville, Texas	T. D. Williams	Jacksboro, Texas	G. H. Ricks	Brady, Texas
H. A. Hillert	San Marcos, Texas	O. W. Davis, Jr.	Sanger, Texas	Otto C. Meun	Sagin, Texas
Nick Cherry	Sanger, Texas	L. E. Wilhite	Luaders, Texas	A. C. Chesher	Littlefield, Texas
G. I. Steadman	Rogers, Arkansas	Joe T. Brown & Son	Temple, Texas	Harold Price & Son	Eden, Texas
Albert Peiser	Haskell, Texas	E. S. Armstrong	San Marcos, Texas	W. R. Cammack	Johnson City, Texas
Clyde Bradford	Happy, Texas	H. N. Smith	Fort Worth, Texas	J. Spurgeon Reeves	Hawley, Texas
Eugene L. Riser	George West, Texas	James T. Shahan	Brackettville, Texas	Sutton P. Cross	Cisco, Texas
Cedar Hill Ranch	Cedar Hill, Texas	B. L. Chaney, Sr.	Moody, Texas	Bert Stuewe	Temple, Texas
James C. Tucker	Buda, Texas	L. S. Morrison & Co	George West, Texas	Ben Stivers	Hillsboro, Texas
M. H. Kuriz & Sons	Winters, Texas	Herman L. Allen	Menard, Texas	Morgan & Lemley	San Angelo, Texas
Albert Thane	Haskell, Texas	H. O. Polk	Lampasas, Texas	Eddie Knutson	Flacid, Texas
Paul Fischer	Haskell, Texas	Bill Kendall	George West, Texas	Keiller Ranch	Austin, Texas
Oliver Grote	Mason, Texas	Walker Stock Farm	Taylor, Texas		

SALE WILL BE HELD AT THE SAN ANGELO LIVESTOCK AUCTION CO. PAVILION

SALE STARTS PROMPTLY AT 10:00 A. M.

Sponsored by

TEXAS ABERDEEN-ANGUS ASSN.

LUTHER WATSON, President, Austin, Texas

TOMMIE STUART, Secretary, Cleburne

Sale Committee: Henry Moore, Eldorado, Texas, Chairman; Clyde Bradford, Happy, Texas; Marvin Coney, San Angelo, Texas

For Catalog write: Tommie Stuart, Sec'y, Cleburne, Texas

Benny Scott for THE CATTLEMAN

The Texas Aberdeen-Angus Association will also sponsor a distribution sale to be held at Abilene, Texas, June 28th. The offering consists of 30 registered bulls and 2,000 commercial females.

P

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INDU-ANGUSMalcolm B. Leven
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You owe it to yourself to check into the advantages offered by BRANGUS . . . the BIG blacks that bring tops on the beef market!

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Descriptive Folder**AMERICAN BRANGUS
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NATURALLY COOL!

Here's a smartly styled COOL Western Style straw hat that's designed to take the roughest abuse . . . yet retain its handsome shape and beauty.

Hand woven of rugged . . . long life . . . WILLOW ROOT straw . . . 5 1/4" crown . . . famous Bulldogger crease . . . 3-ply matching band. Brims vary from 3 1/2" to 3 3/4" because they're hand woven. Water will not hurt this COOL but rugged hat! Available only in natural color . . . sizes 6 3/4 to 7 1/2.

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when Angus were first imported into this country, the Blacks have attained outstanding recognition in the fast-growing beef industry. The national association reports that more than 1,500,000 purebred Angus calves have been recorded in the Herd Book to date.

An increase of 15.7 per cent was noted in the number of Angus cattle transferred during the first half of the 1952 fiscal year as compared with the number of Blacks transferred during the same period in 1951. Cattlemen transferred 74,419 Angus from October, 1951, through March, 1952. The previous six-month report showed the transfer of 64,317 Blacks.

The association's membership list gives further proof of the substantial expansion of Aberdeen-Angus. More than 21,000 breeders are listed in the organization's membership directory. The first six months of the 1952 fiscal year brought an increase of 16.6 per cent over the same period the year before. The national registry association accepted 1,994 new members into the organization from October, 1951, through March, 1952. The number of members joining the association during the same period the preceding year was 1,710.

Leading the states in membership during this six-month period is Missouri with 218 new Angus breeders. Illinois is a close second with 200 members. Other states listed in the top ten are Iowa, 166; Texas, 119; Kansas, 114; Indiana, 100; Kentucky, 93; Oklahoma, 78; Ohio, 77; and Tennessee, 66.

**National Angus Show Scheduled
During Tulsa State Fair**

A NATIONAL Aberdeen-Angus Show to be held in conjunction with the Tulsa, Okla., State Fair and Livestock Exposition is being scheduled for October 3-9. This show will feature outstanding Blacks from all sections of the country. During the event, the Southwestern Regional Aberdeen-Angus Association is sponsoring an Angus sale.

Trophies will be presented to breeders of top winning Angus by the merchants of Tulsa. The American Aberdeen-Angus Breeders' Association of Chicago and the Tulsa Fair Corporation are offering \$10,000 in prize money to exhibitors of the Blacks.

The Fair will be able to accommodate between 400 and 500 head of Angus cattle. It is expected that breeders will top the entry list. A great deal of enthusiasm has been shown toward these national shows by breeders of Angus cattle throughout the United States.

The Southwestern Regional Association will take over the active management and handling of the national show.

**Central Texas Polled Hereford
Tour**

THE Third Annual Spring Tour of the Central Texas Polled Hereford Association will be held May 8-9. Joe G. Reece, secretary and treasurer of the Association, has announced.

Assembly point for the tour will be at the Hill Polled Hereford Ranch, Fairfield, Texas, at 8 a. m., May 8. A banquet will be held in the Blackstone Hotel at Tyler that night. The second day of the tour will begin at Tyler. More than 20 Polled Hereford ranches will be visited. Perry Landrum of Waco is marshal of the tour.

ABBA Approves Three New Brahman Shows

THE board of directors of the American Brahman Breeders Association met for its first quarterly meeting of 1952-53 in Bartow, Fla., March 20 and 21, in conjunction with the Imperial National Brahman Show.

Forty-eight new applications, submitted between February 7 and March 17 of this year, were approved, bringing the total ABBA membership to 1725.

Three new shows at state fairs were approved for participation in premium moneys appropriated by the organization. They are the Ohio State Fair, the Arkansas State Fair and the Alabama State Fair, and indicate the rapid spread of interest in American Brahman cattle throughout the United States.

An invitation from officials of the State Fair of Texas to hold a National Brahman Show in Dallas in 1955 was also approved by the board.

Imperial National Brahman Show

CATTLEMEN, college professors, farm and ranch editors and other qualified veterans of the Brahman cattle show ring agreed that the Imperial National Brahman Show held at Bartow, Fla., March 19-22 out-classed all other national Brahman shows in both quality and number . . . and particularly in quality. Three national shows have previously been held . . . two at Baton Rouge, Louisiana, and one at Dallas, Texas.

Approximately three hundred animals paraded before Judge Dr. J. C. Miller of College Station, Texas, and an audience of about five hundred spectators for placings.

Competition was so keen that only the super-critical eye of a master judge was capable of placing the animals, especially in the junior heifer class which numbered 22, and the junior bull calves class which numbered 19.

The Brahman nobility was shown by 52 exhibitors from Texas, Louisiana, and Florida. Besides these states, visitors were counted from more than twenty-five others including Ohio, Michigan, New York, South Carolina, Mississippi, Alabama and others. Foreign visitors came from Venezuela, Mexico and Cuba.

The show was divided into an Open and Junior division, with Senior and Junior divisions in the open classes.

The grand champion bull of the show was Horozonto Emperor 910, exhibited by Henry O. Partin & Sons of Kissimmee, Fla. The Partin Ranch also showed the winning get-of-sire.

The J. D. Hudgins Ranch of Hungerford, Texas, showed the grand champion female JDH Queen Rex A. Manso 983, the reserve grand champion bull, JDH Minto de Manso 790, the junior champion bull, JDH Bertram de Manso 279, and the winning produce of dam.

Norris Cattle Company of Ocala, Fla., showed the reserve grand champion female, Miss Dandelion 33, and the reserve junior champion bull, Sir Dandelion 178.

J. T. Garrett of Danbury, Texas, showed Miss Resoto Manso Jr. 130 as the senior champion female and A. Duda & Sons of Cocoa, Fla., showed ADS

Empress de Manso 678 as the reserve senior champion female.

Eight breeders participated in first-place winnings. Hudgins won nine; Partin four; Norris Cattle Company two; Louisiana State University two; A. Duda & Sons, Circle D. Ranch, J. T. Garrett, and W. C. Champion & Son each with one.

The Griffin boys, sons of Eugene Griffin of Bartow, Florida, and members of the F.F.A., walked away with the junior show honors. Out of seven classes

they won five blue ribbons and showed the champion bull, reserve champion bull and champion female. These champions were, respectively, Cadanza 9th and Cadanza 54th, shown by Bobby Griffin and Miss Imperator 143, shown by Sonny Griffin. Steve Johnson, 4-H Club boy of Kissimmee, Fla., showed Lady Fleecy Manso 431 as the reserve champion female of the junior division.

All progressive ranchers read
The Cattleman.

Dispersal Sale of Angus Cattle Thursday, May 15, 1952, Beginning at 1:00 P. M.

Sale will be conducted on the farm located on U. S. Highway 60, 3½ miles west of the Highway Patrol Station, Enid, Oklahoma.

55 HEAD OF REGISTERED ANGUS CATTLE 55

43 Lots, 8 Bulls, 15 Cows with Calves by Side, 11 Cows Heavy With Calf,
9 Open Heifers.

All of the cows carry the service or have calves by side by Black Peer 11th of Orchard Hill, he by Prince Sunbeam 205th. The nine open heifers are by Black Peer of Orchard Hill 11th, and one is by Black Peer 11th, he by the great Angus Valley Sire, Prince Sunbeam 105th.

These are an excellent lot of great deep-bodied, heavy-boned cows that sell in pasture condition. They will make an excellent addition to your herd.

WEATHERLY ANGUS FARMS

JOE WEATHERLY

Delbert Winchester and George Shults, Auctioneers
Write for Catalog — Box 1309, Enid, Oklahoma

FOR SALE

8 Registered Aberdeen-Angus Bulls

16 to 22 Months Old

Sired by

Evascus 17th of Essar—No. 927146

by

Black Evascus Man—No. 585259

Out of

Pride 80th of Sunbeam—No. 584496

T. H. Obenchain Ranch

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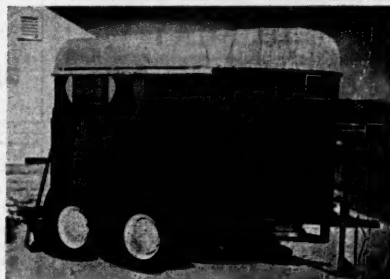
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We have sold them
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Up to 1" Value \$3.50

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QUALITY Polled Herefords

HERD SIRES:

- Beau Blanco 53rd
- Domestic Mischief 53rd
- Texas Real 9th
- N M Real Domino
- N M Real Domino 26th
- N M Real Domino 36th

COWS are mostly daughters of:

- Beau Blanco 53rd
- Domestic Mischief 53rd
- N M Real Domino
- Jr. Spartan 9th

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We'll be happy to show you our
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SANDERSON, TEXAS

REGISTERED POLLED HEREFORDS

At this time we are pleased to offer a group of excellent calves—bulls and females, herd sire prospects and foundation females for the most discriminating registered herd, or range bulls for the commercial breeder. They are smooth, well marked, with excellent polled heads, yet rugged cattle produced under natural range conditions, reasonably and sensibly priced.



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Vice-President PERRY LANDRUM Waco
Secretary-Treasurer HENRY FUSSELL 3337 Hanover, Dallas

Next sale: Marshall, Nov. 8, 1952

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ALBERT KYLE, Mgr.

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REFUGIO, TEXAS

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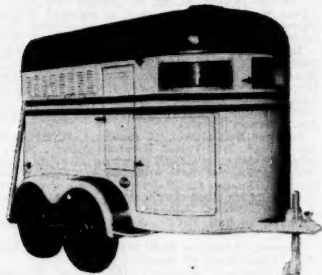
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Texas Polled Hereford News

By HENRY FUSSELL, Secretary, Texas Polled Hereford Association

EACH year records fall at the Marshall, Texas, Polled Hereford Show and Sale, and this year surpassed all previous shows and sales. If you will observe reports of Polled Hereford sales, you will note the Marshall sale surpassed most Polled Hereford sales recently held over the United States. Marshall is established as a Polled Hereford market. You may read the full report of the show and sale in another section of this magazine.

The Board of Directors of the Texas Polled Hereford Association has set up a schedule of coming events, beginning with the Polled Hereford sale scheduled for Marshall, Texas, next November 8th. There has been considerable demand among the breeders for this sale, and the date of November 8th was set for the reason the younger cattle will have a bit more age, as well as better hair and can be put in saleable condition much better. There will not be a show by classes in this event, but the cattle consigned to the sale will be judged by age groups on the morning of the sale, and the sale is to begin at 1:00 p. m. on November 8th.

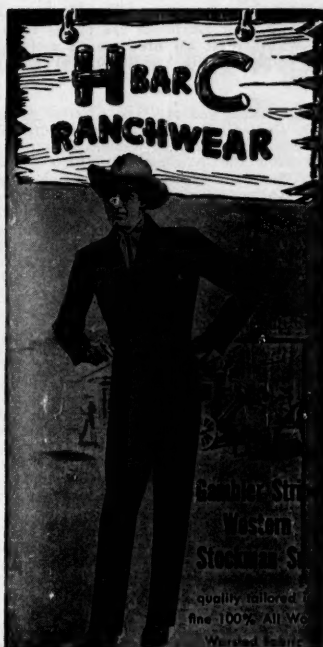
President N. M. Mitchell of the T. P. H. A. has appointed as a Show and Sale Committee for the November 8th Marshall, Texas Polled Hereford sale, the following: Wade Bentley, Hughes Springs, Texas, Chairman; Wendell Smith, Naples, Texas; and Joe Weedon, Grosvonor, Texas, members. Work has already begun on the promotion of this event.

President Mitchell has also appointed as a Show and Sale Committee on the 1953 Polled Hereford Show and Sale to be held at Fort Worth during the Stock Show: Jim Gill, Coleman, Texas, Chairman; Suel Hill, Fairfield, Texas; and Mans Hoggett, Mertzon, Texas, members.

The Show and Sale Committee appointed by President Mitchell to serve the 1953 San Antonio Show and Sale is composed of Messrs. E. E. Voigt, San Antonio, Chairman, N. M. Barnett, and Perry Kallison, members.

It may be of interest to you to know that the Texas Polled Hereford Association through the three sales conducted during 1952 has sold for its members cattle at a gross of \$163,040, and with the coming sale in November at Marshall, there is a very great possibility the gross will be well over \$200,000 for 1952. These results have been and will be brought about by the fine cooperation of the members of the Association, and the fine and enthusiastic work done by the various show and sale committees serving the respective shows and sales. A very great American once said: "United we stand, divided we fall!"

One thing of great interest is the fact that more and more Polled Hereford breeders are taking an active part in the Association conducted shows and sales, which should give some degree of relief to the eighteen or twenty breeders who have for the most part been carrying the load in putting their time, labor and finance into their cattle getting them ready for the public shows and sales which benefit all breeders of Polled Herefords, by keeping up the public in-



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terest and creating more interest by displaying their cattle for the public view. It will benefit all breeders to actively participate in the Association shows and sales.

No doubt, you received a letter from Mr. Carl C. Beesley, Chairman of the Tulsa 1952 Show of Polled Herefords, advising the National Hereford Show and Sale is to be held in Tulsa, following the National Polled Hereford Show and Sale, and states "here is your golden opportunity" to make two shows for a total premiums of \$22,000 and not move your cattle. Polled Hereford breeders everywhere in the U. S. A. are urged to seriously consider and make plans to show in Tulsa this fall.

The Dallas Agricultural Club had the privilege of having an address by Mr. Joe S. Bridwell, Wichita Falls cattleman and civic leader, at its April monthly meeting. Mr. Bridwell's theme was soil conservation. Among other remarks Mr. Bridwell said: "Cattle are moving East. Cotton is moving West. The Negroes are moving North, and the Yankees are moving South. Where are we going to wind up any way."

He placed the blame for all this shuffling around directly upon the loss of soil fertility through erosion and improper farming methods. In speaking of Texas soils, Mr. Bridwell said: "If the thousands and thousands of abandoned farms are considered, the land will not produce even a third of what it would in the early 1900's."

Incidentally, Mr. Bridwell has a few mighty good Polled Hereford cattle, and

no doubt as time goes on you will see more of them on the circuit.

Rowlands and White Show Champions at Marshall

FROM the point of both numbers and quality the Polled Hereford show held by the Texas Polled Hereford Association at Marshall, Texas, March 28 was perhaps the best ever held. Interest was keen and a large crowd watched Glen Bratcher, Stillwater, Okla., as he made the placings.

For the champion bull he selected R R Mischief 8th, a summer yearling son of RR Woodrow Mischief, shown by J. H. Rowland & Son, Morgan, Hill Polled Hereford Ranch, Fairfield, Texas, showed the reserve champion, HPHR Domino C 6th, a junior yearling.

Hugh White, Keller, Texas, scored a major triumph when his senior heifer calf by Pawnee Silver, Rosa Bell Silver, was named champion female. Jim and Fay Gill, Coleman, Texas, showed the reserve champion, JFG Dixie Mischief, a junior heifer calf.

Others among the first prize winners included W. L. Garland, Grand Saline; Lester Blair & Sons, Ada, Okla.; Carl Sheffield, Brooksmith, Texas; Oakhurst Farms, Lindale, Texas; and W. M. Smith & Son, Naples, Texas.

Awards by classes follow:

Two Year Old Bulls. 1, G. Larry Domino 71st, W. L. Garland, Grand Saline; 2, RCM Choice Domino 5th, Fairway Farms, San Augustine.

Senior Yearling Bull. 1, H. Rollo Conqueror 5th, Hill Polled Hereford Ranch, Fairfield.

Junior Yearling Bull. 1, HPHR Domino C 6th, Hill Polled Hereford Ranch; 2, P. Carlos Mischief 1st, Wm. Smith & Son, Naples; 3, E. Star Domino 28th, E. W. Hohberts, Strawn.

Summer Yearling Bulls. 6 shown. 1, RR Mischief 8th, J. H. Rowland & Son; 2, B. Advance Mischief, N. M. Barnett, Melvin; 3, Domino Conqueror 15th, Hill Polled Hereford Ranch; 4, LL Larry Mischief, Loma Linda Ranch, Frisco; 5, LL Larry Mischief, Loma Linda Ranch; 6, M&H Pub Mischief, Circle K Stock Farm, Arlington.

Senior Bull Calves. 15 shown. 1, Anxiety B Woodrow 26th, Lester Blair & Sons, Ada, Okla.; 2, Sil or Bonnie B., H. G. Brown, Denton; 3, Silver Mischief 39th, Brown; 4, Fairway Driller, Fairway Farms; 5, G. Larry Domino 40th, Garland; 6, H. Larry Domino 6th, R. A. Howell, Van.

Junior Bull Calves. 24 shown. 1, C. Domestic Mischief 23, Carl Sheffield, Brooksmith; 2, F. Mixer Tone, Fred Freeman, Jr., Denton; 3, Domino Conqueror 21, Hill Polled Hereford Ranch; 4, LL Domestic Domino, Loma Linda Ranch; 5, G. Larry Domino 100th, Garland; 6, Fairway Domino 3rd, Fairway Farms.

Summer Bull Calves. 12 shown. 1, HPHR Domino C 36th, Hill Polled Hereford Ranch; 2, JFG Domestic Mischief 122nd, Jim and Fay Gill, Coleman; 3, Mischief Tone 3rd, Jim and Fay Gill; 4, Fairway Domino 4th, Fairway Farms; 5, G. Larry Domino 105th, Garland; 6, CBC Bonnie Mischief, R. R. Woodward, Sabinal.

Champion Bull. RR Mischief 8th, J. H. Rowland & Son, Morgan.

Reserve Champion Bull. HPHR Domino C 6th, Hill Polled Hereford Ranch.

Two Bulls. 9 shown. 1, Hill Polled Hereford Ranch; 2, Brown; 3, Garland; 4, Jim & Fay Gill; 5, N. M. Barnett, Melvin; 6, R. R. Woodward, Sabinal.

Three Bulls. 5 shown. 1, Hill Polled Hereford Ranch; 2, Garland; 3, Jim and Fay Gill; 4, Fairway Farms; 5, W. D. Maris, Franklin.

Two Year Old Heifers. 1 shown. 1, Miss Bula Domino, Oakhurst Farm, Lindale.

Junior Yearling Heifers. 1 shown. 1, Belle Mischief 3rd, Maris.

Summer Yearling Heifers. 4 shown. 1, Sparkle Plenty, White; 2, WHL Caroline Mischief 1st, W. H. Long, Crockett; 3, FF Miss Echo 1st, Fairway Farms; 4, LL Domestic Woodress 25th, Loma Linda Ranch.

Senior Heifer Calves. 12 shown. 1, Rosa Bell Silver, White; 2, H. Belle D 23rd, Hill Polled Hereford Ranch; 3, RRW Bonny Mischief 21st, Woodward; 4, Miss Larry Domino 94th, Lindale; 5, Miss Real Domino H. 7th, Howell; 6, FF Blue Bonnet, Fairway Farms.

Junior Heifer Calves. 10 shown. 1, JFG Dixie Mischief, Jim and Fay Gill; 2, Miss Advancemore 108rd, Brown; 3, Extra Entry, Don and Alice

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Reynolds, Goldthwaite; 4, J. C. Horton, Pettus; 5, Belle Mischief 2nd, Barnett; 6, Conqueretta 30th, Hill Polled Hereford Ranch.

Summer Heifer Calves, 9 shown. 1, HPHR Donnetta 30th, Hill Polled Hereford Ranch; 2, JFG Jean Mischief 9th, Jim and Fay Gill; 3, Bell Woodrow, Barnett; 4, Miss Silver Publican, Circle K Stock Farm; 5, Miss Real Domino H 8th, Howell; 6, WCS Missy Mischief, Smith & Son.

Champion Female, Rosa Bell Silver, White. Reserve Champion Female, JFG Dixie Mischief, Jim and Fay Gill.

Get of Sire, 1, Hill Polled Hereford Ranch; 2, Jim and Fay Gill; 3, Garland; 4, Barnett; 5, Woodward; 6, Don and Alice Reynolds.

Two Females, 1, White; 2, Jim and Fay Gill; 3, Hill Polled Hereford Ranch; 4, Woodward; 5, W. H. Long; 6, Don and Alice Reynolds.

Pair of Yearlings, W. M. Smith & Son. Pair of Calves, 1, Jim and Fay Gill; 2, Hill Polled Hereford Ranch; 3, Woodward.

New Outbreak of Foot-and-Mouth Disease Reported in Canada

ON April 24, 1952, Canadian officials confirmed another outbreak of foot-and-mouth disease in Saskatchewan near the town of Ormiston, according to information received by the U. S. Department of Agriculture's Bureau of Animal Industry. The disease was found about one mile outside the original quarantine zone, but well within the buffer zone set up by Canadian officials surrounding the quarantine area. Ormiston is less than 50 miles from the United States border and a few miles nearer than any previously known occurrence of the disease.

The diseased herd and a contact herd were slaughtered and buried immediately. Investigation by the Canadian authorities showed that the operator of the farm had purchased meat from a slaughter house in Regina before the foot-and-mouth disease quarantine was imposed. Regina was the original focal point of the disease.

Dr. S. O. Fladness, acting chief of the Bureau of Animal Industry, said sporadic outbreaks of this nature are to be expected.

"The important thing is to identify the disease quickly and cut off all avenues for the disease to spread. In this case Canadian authorities discovered the disease early and they hope that they have prevented its spread to surrounding farms."

Dr. F. J. Mulhern, Bureau of Animal Industry observer working with the Canadians, reported the quarantine has been extended to take in the municipality where the disease was found and that inspection of herds in the quarantine and buffer zones is being intensified.

Cotton Research Congress at Houston June 19-21

ARRANGEMENTS for the 13th annual Cotton Research Congress, to be held at the Rice Hotel in Houston, June 19-21, will be completed at a meeting of Congress committees here on May 1, Burris C. Jackson, Hillsboro, general chairman of the Statewide Cotton Committee of Texas, has announced.

Jackson said that the group will discuss preliminary plans that have been made for addresses by state and national cotton leaders, panel discussions of current industry problems, extensive displays of cotton and cottonseed products, and tours of cotton centers in the Houston area.

The brand is the cattleman's coat of arms. Is yours recorded?

A Letter From Philippines

I BEG leave to inform you that I have already received my first copy of The Cattleman magazine.

Since I looked into my first copy of your magazine which was brought here by one of your G. I.'s in 1945, when they landed here in Lingayen, I have been quite impressed by the way you raise cattle in America. My impression is that your ranchers seem to be racing with time, with the natural elements pulling them by their coat tail. It seems the idea is to raise the most beef in so short a time and with the least expense. They calve them in the range and feed them in feed lots for the market. Cold and drouth seem to have a funny way of sandwiching themselves between the rancher and his profits.

To us, Filipinos, this is certainly a hectic and seemingly needless way of doing it. Why? Because our commercial pasturelands are in high plateaus where the climate is subtropical and the rains come down regularly throughout the year. All we do here is fence an area, say a thousand acres, put in our herd and place with them their herders. Usually two together can take care of six hundred head. Water is no problem. There is always a running stream within three hundred yards of any animal within an enclosed area. We do not seed our range. When the grass in a section gets tough the men set a match to it. In three days new shoots are sprouting.

The strange cattle diseases of which I read in your magazine, such as mastitis, pink eye, etc., are unknown here. We have septicemia but its casualties are negligible. In fact, our animals just take care of themselves on the range. Our herdsmen are not as busy as your cowboys and the rancher does not have to live on the range. He stays in town and goes out only to see, perhaps, that his herdsmen are not selling his cows.

You might ask: with this cow paradise, why don't you have King ranches and Armours? The reason is that the vast majority of our people are still primitive in their ways, more so in stock raising. What modest beginning we had in the way of modern ranching on Mindanao Island in the south was nipped in the bud by the war. Our government, with the help of your government is now rehabilitating this industry. We have imported Brahmins from India after liberation, but our ranges are still empty.

This would lead me to think—if only a few of your 30,000 subscribers should come with a St. Gertrudis or a Beefmaster, there might be some dollars with less work for them. Please pass this on to them.

Juan Ventenilla,
Lingayen, Pangasinan, Philippines.

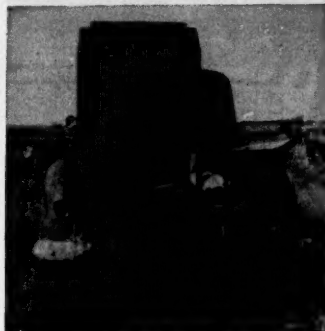
A regular check of tattoos of Angus cattle exhibited at major livestock shows will be made by representatives of the American Aberdeen-Angus Breeders' Association, Frank Richards, secretary, announces. All animals registered in the American Herd Book must bear readable tattoos. These markings are shown on the registration certificates and in both ears of the registered animals.

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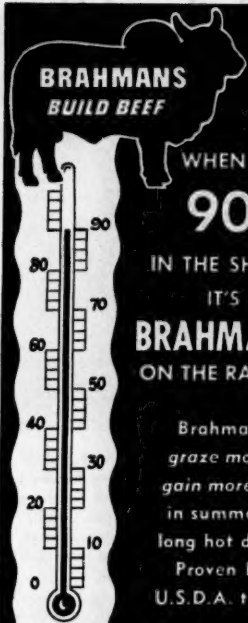
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Being welcomed to the King Ranch Field Day for directors of the American Meat Institute by Robert J. Kleberg, Jr., is Mrs. J. L. Roberts of the Sunnysland Packing Company, Thomasville, Ga. To the left is Wesly Hardenbergh, president of the Institute, Chicago, Ill., and to the right is H. H. Corey, chairman of the board of the Institute and president of George A. Hormel & Co., Austin, Minn.



Directors of American Meat Institute Tour Texas

THE board of directors of the American Meat Institute, which is the trade, promotional and educational organization of the packing industry, recently completed a five-day tour of Texas getting a first hand view of some of the problems affecting the cattle producer.

Occasion for the tour was the one annual meeting of the directors which is held away from the organization's headquarters in Chicago. The trip marked the first visit of the group to the Lone Star State.

There were 88 persons in the party, which included 36 directors, their wives and children. The trip got under way at Houston and Corpus Christi, where they assembled and boarded a chartered bus for a tour of the King Ranch at Kingsville. Those making the trip represented both large and small packing firms from all over the United States.

At the King Ranch the group met many of the state's leading ranchers who were on hand for a tour of the ranch and a barbecue lunch. Among those present were Jack Roach of Amarillo, president of the Texas and Southwestern Cattle Raisers Association, and Ray Willoughby of San Angelo, immediate past president of the Association.

Touring the ranch the group saw large herds of Santa Gertrudis cattle that were in good flesh despite an extended drouth in that part of the state. The tour was well conducted and well planned, and members of the visiting party gave high praise to the cattle which are native to the King Ranch and were amazed at their ability to withstand the most serious drouth in the history of the ranch. Also seen on the tour was a herd of Longhorns. A small herd of English Park cattle and Africander cattle caused much comment from the visitors. One of the most interesting portions of the tour was the look at a few of the ranch Thoroughbred and Quarter Horses. Among those seen were Wimpy, the No. 1 horse in the American Quarter Horse Stud Book; Hired Hand, grand champion at many major shows; Assault, who won the Triple Crown in 1946, and Middleground, who won the Kentucky Derby and the Belmont Stakes in 1950.

In speaking to the group, Robert J. Kleberg, Jr., president of the King Ranch, said that "we got representatives of the packing industry down here in the

middle of a drouth so they can see what we are up against and what it takes to operate a ranch under these conditions." He said that if ranchmen could get rid of controls from Washington the ranching industry could furnish the nation with an adequate meat supply. Kleberg called attention to the fact that in spite of efforts toward improvement in the care, feeding and breeding of animals, and in the production of feed, the record shows that our nation, and other great beef producing nations in the world, have not kept pace with the human demand for beef. He cited the case of Argentina, which is historically and traditionally the land of plenty of beef. "After controls took effect in Argentina their meat exports dropped and now this country which has had a large supply of meat is imposing two meatless days a week on the entire population," Kleberg stated.

In responding to Kleberg's address, John Holmes of Chicago, president of Swift and Company, agreed with his remarks against controls. Holmes, who represented the packing industry in Washington early this year, said the only sound procedure "is to let the law of supply and demand work."

Following the King Ranch visit the directors went to San Antonio, where they held a directors' meeting and were guests of the Chamber of Commerce at a luncheon. They also visited the Essar Ranch and the Southwest Research Institute. Here they saw progress of research on artificial insemination and cross-breeding of various breeds of cattle.

H. H. Corey, chairman of the board of the American Meat Institute and president of George A. Hormel & Co., Austin, Minn., was the principal speaker at the San Antonio luncheon. He declared that the Office of Price Stabilization was serving no good purpose for the meat industry and that the Institute had hopes that it would lift price ceilings from the industry. He said during that part of last year when prices reached ceiling levels widespread violations developed immediately, which revealed the inability of price controls to control prices. He explained that the total meat supply in 1951 was lower than it would have been if controls had not been imposed. "Meat prices have been higher than if we never had the control harness," Corey stated.

After leaving San Antonio the party

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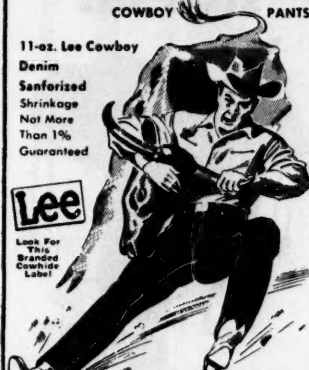
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moved on to Fort Worth where they and some 200 business and agricultural leaders heard R. E. Pearsall, executive vice-president of Armour and Company of Chicago, speak. They also made a tour of the Convair Aircraft plant where they saw the giant B-36 under construction. In his speech at Fort Worth, Pearsall said that although most meat prices have been below ceilings for five or six months, even the threat of price controls is reducing America's meat supply. He called attempts to control meat prices ridiculous and asserted that supply and demand, not controls, will determine meat prices. "We believe it would be a mistake to retain even a threat of meat price controls. Last year government controls had the effect of turning much of our beef business over to people who were favored by the law or who defied the law," Pearsall said.

While in Fort Worth the directors were guests of the Fort Worth Farm and Ranch Club and the Chamber of Commerce.

Fred McWilliam Manager of Edellyn Farms

FRED McWILLIAM of Cluny Castle, Scotland, has been appointed manager of Edellyn Farms at Wilson, Ill., according to Thos. E. Wilson, the owner. McWilliam's responsibility includes the management of Wilson's herd of Shorthorn cattle, as well as the management of all other operations of Edellyn Farms.

McWilliam has served as manager of the internationally famous Cluny Castle estate and Shorthorn herd in Scotland for the past six years. The Cluny Castle herd is well known for its top placings in the Shorthorn shows at Perth and at the English Royal shows. In addition to the Shorthorn herd at Cluny, a commercial beef herd of 100 head is maintained, and a flock of 320 breeding ewes. The entire estate and all operations have been under McWilliam's direction, with a staff of sixteen men.

McWilliam is the 33-year-old son of the well-known and popular Shorthorn breeder, R. S. McWilliam of Garguston, Scotland. It was at Garguston, working with his father, that McWilliam received his early training in the breeding of Shorthorn cattle and in farm management.

In taking over the management of Edellyn Farms, McWilliam succeeds Allan Atlason who has been appointed recently as executive secretary of the American Shorthorn Association. The first and only other manager of Edellyn Farms during its 38 year history was the late John (Jock) Dickson, who, like McWilliam, was born and raised on a livestock farm in Scotland.

Shorthorn Transactions

B. O. Koonce, Desdemona, Texas, sold six Shorthorn females to O. B. White, Belton, Texas.

C. A. Davis, Olton, Texas, purchased one Shorthorn bull and two females from Bernie Welch, Vera, Texas.

Painter Farms, Afton, Okla., sold 12 Shorthorns: ten females with one heifer calf at foot to Virgil Browne, Oklahoma City, Okla., and one bull calf to T. A. Poyner, Afton, Okla.

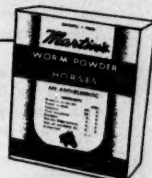
Don E. Mead, Colby, Kans., purchased ten Shorthorns: one bull, five females,

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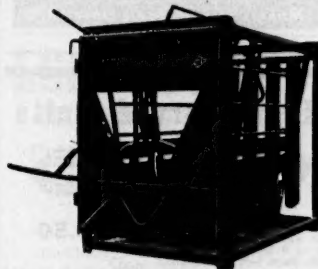
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one with bull calf at foot, and one heifer calf from E. D. Chatfield, Goodland, Kans., and a Shorthorn female from both Oliver and Lowell Chatfield.

B. O. Koonce, Desdemona, Texas, sold six Shorthorns, three females, one with heifer calf and one bull calf at foot, to C. R. Roitsch, McAllen, Texas, and one bull to W. E. Miller, Mesquite, Texas.

E. W. Taylor, Sledge, Miss., sold two Shorthorn females and one bull, five Polled Shorthorn females and three heifer calves to George E. Baird, Jr., Iverness, Miss.; three Polled Shorthorn bulls to B. C. Varnado and Son, Magnolia, Miss.; one Polled Shorthorn bull to H. D. Statten, Holcolm, Miss.; two Shorthorn females to Sam T. Scott, Sledge, Miss.; and one Shorthorn female to W. P. Armour and Son, Taylorville, Miss.

Texas Polled Hereford Sale at Marshall

SUMMARY

50 Bulls	\$41,285; avg.	\$ 826
28 Females	34,025; avg.	1,215
78 Head	75,310; avg.	965

A NEW high record for the sale of a Polled Hereford female in Texas was established at the sale held by the Texas Polled Hereford Association at Marshall March 29 when Mrs. W. R. Johnson, Jacksboro, Texas, paid \$7,100 for a September 1950 daughter of Pawnee Silver consigned by Hugh White, Keller, Texas. The heifer was champion of the show.

The reserve champion heifer, H Bella D 23rd, by Comprest Kollo H, consigned by Hill Polled Hereford Ranch, Fairfield, Texas, sold for \$3,000 to Circle L Ranch, Joaquin, Texas.

Hugh White sold another daughter of Pawnee Silver to J. C. Black, Joaquin, Texas, for \$2,000.

The top on bulls was \$3,000 paid by M. K. Porter, New Orleans, for a three-year-old proven son of ALF Choice Domino 5th, consigned by Fairway Farms, San Augustine, Texas.

The second top bull, a February 1951 son of Domestic Mischief 97th, consigned by Jim and Fay Gill, Coleman, Texas, sold for \$2,150 to I. C. Underwood, Marshall, Texas.

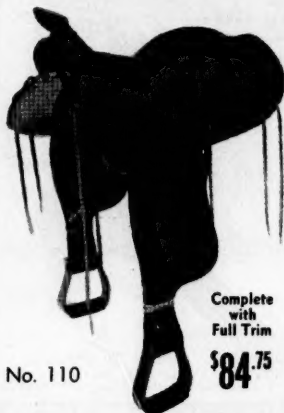
Forty-eight breeders contributed to the offering which was sold by Walter Britten and Gene Watson.

Mid-North Texas Hereford Tour May 31

T. R. FROST, tour manager, announces the following schedule for the Mid-North Texas Hereford Association tour which will be held May 31:

Assemble at J. P. Swartzell Ranch, south of Cleburne, at 7:30; J. B. Ranch, 8:30; Diamond L Ranch, 9:30; T. R. Frost Ranch, 10:20; D. G. Talbot Ranch (Aledo), 11:20; Bear Creek Ranch (lunch), 12:10; Bertram Ranch, 1:50; M. O. Andrews Ranch, 2:50; White Hereford Farm, 4:00; Bursey Hereford Farm, 4:50. Lunch will be served at the Bear Creek Ranch, owned by Joe Winston. At the Talbot Ranch visitors will see some cattle feeding on a mass scale. All of the breeders on the tour will have some of their cattle on display either in the barns or in pastures close by.

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Clint Tomson Judges Shorthorns at Australian Show

CLINTON K. TOMSON, first American to judge Shorthorn and Polled Shorthorn cattle at the Royal Easter Show in Sydney, Australia, sends interesting news about cattle judging down under. Tomson judged all classes for these breeds, as well as the judging and showmanship classes and steer championships at the Sydney show early in April. Tomson is former secretary of the American Shorthorn Breeders' Association.

After tying the winners, Tomson explained his placings to ringside spectators. This was apparently an innovation at Australian shows, and the Aussies listened with "fascinated interest". His decisions were well received, according to the Australian livestock paper, The Land, and many felt explanations should be installed as a regular feature of judging at Australian shows.

Both Shorthorn and Polled Shorthorn shows were larger than last year, particularly the latter which had a record exhibition for Australia. Shorthorns constituted 189 animals or 251 entries; Polled Shorthorns 121 animals or 162 entries.

Tomson picked Womargama Paladin, shown by C. P. Fairbairn, of Holbrook, for his champion Shorthorn bull. Champion female was Bonool Bud 4th, exhibited by L. M. Dugdale, of Lilydale, Victoria.

Top Polled Shorthorn bull was Prospect Field Marshal, shown by A. Langmore, of Gondaryon, Queensland. Langmore also won the perpetual bronze trophy offered by the American Polled Shorthorn Society for the champion senior bull.

The judge picked as his best female Netherby Red Radiance, shown by J. T. Scrymgeour, of Warwick, Queensland. This exhibitor also took the Oakwood silver trophy, offered by C. B. Teegardin and son, Ashville, Ohio, U.S.A., for the best three bulls.

Increased size and interest in the Polled Shorthorn show was indicative of the rising popularity of the breed in Australia, according to Tomson. In recent years, Australian buyers have been prominent at most major Polled Shorthorn auctions in the United States.

Record price at all the purebred auctions of the Sydney show was paid for a Polled Shorthorn bull—3,000 guineas. It topped the price paid for the highest selling Shorthorn bull by 400 guineas. Both Shorthorns and Polled Shorthorns had the highest auction sales among the beef breeds.

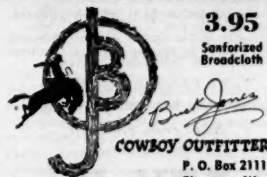
Tomson described the total exhibition as having "uniform and excellent quality" and said he believed that in a world competition Australians would make an excellent showing.

This was the fourth foreign judging assignment for Tomson. He has twice judged at the Palermo show in Argentina and once in Toronto, Canada. Next year he will judge Shorthorns at the big Perth, Scotland, exhibition.

Tomson resigned his post as secretary of the American Shorthorn Breeders' Association early this year to assume a partnership of Harding and Harding, Lloyd's of London livestock insurers and livestock import firm in Chicago.

Mrs. Tomson accompanied him by air to Australia. They will return home via a round-the-world air trip that will take them through Europe.

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HORSE HANDLING SCIENCE, by Monte Foreman. Price \$1.00. Order direct from the Special Book Department, 410 East Weatherford Street, Fort Worth 2, Texas.

Here, at last, is the Volume II of Monte Foreman's "Horse Handling Science," which so many people have been waiting for. The first volume of this series of articles was in such demand that a second printing had to be made. The entire supply is now exhausted.

Volume II contains sixteen illustrated articles by this prominent horseman and artist. The sixteen articles are "Backing Up," "Hindquarter Control by Leg Aids," "More About Aids and Leads," "Disuniting," "Schooling for Inside Turns," "Training for Lighter Neck Reining," "Timing," "One of the Flying Changes of Leads," "Trotting Into the Correct Lead," "Whirl on the Hindquarters," "Hoss, Get That Head Down," "Head Handling by Hands," "The Give and Take of Hands," "Doubling and Spinning . . . and Why," "Stand to Get On," and "Balanced Stop."

Those interested should order copies as indicated above.

A WAY OF LIFE—Published by Oil Industry Information Committee, American Petroleum Institute, 50 W. 54th Street, New York 20, N. Y. Single copies may be secured free from the above address upon request, and mention The Cattleman.

How the American farmer overcame 20 centuries of stagnation in agriculture, to advance his status from "the man with the hoe" to the largest individual director of mechanical horsepower in our industrial age, receives a fresh and provocative telling in a 16-page booklet entitled "Power Farming—A Way of Life."

Liberal illustrated in golden harvest color, this booklet is published by the Oil Industry Information Committee of the American Petroleum Institute to foster understanding of the interdependence of agriculture, petroleum, and other industries in a free, competitive economy.

Copies are being distributed to agricultural leaders, editors, vocational agricultural teachers, USDA extension personnel, farm organizations, oil companies and allied industries. Single copies may be obtained gratis while agricultural departments may obtain up to 10 free copies by requesting them through the national OIIC offices. Multiple copies may be obtained at cost by oil companies and others, many of whom are expected to augment OIIC rural distribution.

An introductory profile reminds that the American farmer before the close of the 19th century became the first conqueror of famine in all history. It throws the towering dimensions of his feat into sharp relief with a description of his meagre heritage from Old World agricultures. Farm practices in colonial times stemmed with slight alteration from the early Roman Republic. The most nota-

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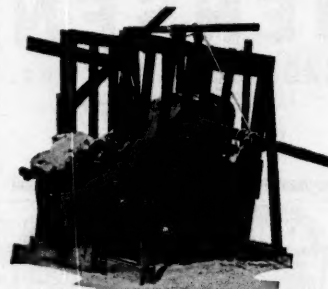
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ble exceptions—development of the horse collar, the tandem hitch and the horse-shoe in feudal Europe of the late 9th or early 10th centuries—were utilized by the resourceful American farmer to carry mechanization to the limits of animal power and to create an abundance.

"Power Farming—A Way of Life" brings strong historical evidence to bear on the vital relationship, frequently overlooked, between technological and economic progress in agriculture and the growth of free democratic institutions. Individual initiative, private enterprise and other creative forces released by American political and economic freedoms are shown to have directly propelled the American farmer in his mechanization progress; they also forged rapid advances in industry, science and transportation essential to power farming development.

Petroleum enters the narrative midway in the first cycle of farm mechanization during the horse and kerosene age.

Discovery of Drake's well in 1859 ushered in large-scale kerosene illumination, lengthening the farmer's day for social enjoyment. Supplanting the less stable animal fats and vegetable products, petroleum greases and lubricants in implements and wagons eased the friction loads on work animals. Similar service to locomotives helped speed the extension of railroad transportation throughout agricultural areas.

In its final section, entitled "Oil-Powered Farming," the booklet presents the story of farm motorization. Tracing the emergence of the commercial tractor industry, it describes the dramatic Winnipeg plowing contests that witnessed the triumph of internal combustion engines and petroleum power over steam during this century's first decade. Reported also are succeeding milestones of tractor development and petroleum utilization that bolster and sustain power farming as an abundant and secure way of life today.

Answering the question why earlier agricultures, rich in human and natural resources, failed to produce a fraction of the progress made by the American farmer in a few generations, "Power Farming—A Way of Life" concludes:

"The answer lies in America's unique climate of political and economic freedom. Here initiative and competitive enterprise, agriculture, industry, commerce, and science move forward hand in hand."

European Industrial Research Scientists Touring U. S.

TWENTY-FIVE European industrial research scientists and administrators presently touring the United States and Canada under the guidance of Southwest Research Institute are studying American research methods, techniques and systems, Dr. Harold Vagtborg, Institute president, has announced.

Dr. Vagtborg said the visitors would tour 19 industrial centers during their seven-week stay in America.

"Countries represented include Austria, Denmark, Germany, France, Italy, Ireland, Norway, Great Britain and Switzerland," Dr. Vagtborg asserted. Southwest Research Institute is host to the group whose expenses are being paid by their respective governments and the American government.

Among the visitors are some of Europe's leading scientists, industrialists and administrators of research. Purpose of the tour is to familiarize them with industrial research management methods in America.

Cities included in the tour are New York, Washington, Knoxville, Houston, San Antonio, Los Angeles, San Francisco, Denver, Chicago, Detroit, Columbus, Pittsburgh, Cleveland, Buffalo, Toronto, Ottawa, Montreal, Boston and Albany.

Maurice Holland, Institute consultant, is in charge of the tour, with Charles F. Stack of New York City assisting. Regional hosts include the Mellon Institute of Industrial Research of Pittsburgh, Battelle Memorial Research Institute of Columbus, Stanford Research Institute of Palo Alto and Armour Research Foundation of Chicago.

The board of directors of the American Brahman Breeders Association has accepted an invitation from the State Fair of Texas in Dallas to hold a National Brahman show in connection with the fair in 1955.



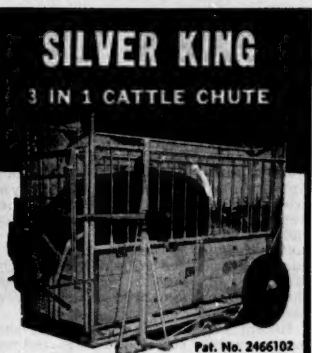
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There has been little change in milk cow numbers on U. S. farms in the past three years.

Texas Livestock Markets' Review

Price Range at Fort Worth, Houston and San Antonio During Past Month

FORT WORTH Trade on the Fort Worth Livestock Market during the first three weeks of April was featured by strong to higher prices on most classes. However, there were a few exceptions, including hogs and some stocker values. Receipts of mature cattle showed a slight drop in numbers compared with a year ago, but offerings of calves, hogs and sheep showed gains compared with the same period a year ago.

Recent sales in the cattle yards show most slaughter steers, yearlings and cows \$1.00-1.50 higher than a month previous. Some cutter cows are about 50c higher. Most bulls were steady to \$1.00 higher, but the few heavy commercial bulls were 50c-\$1.00 lower. Choice and prime slaughter calves were 50c higher, commercial and good slaughter calves were \$1.00-1.50 higher. Stocker and feeder steers and yearlings are strong to \$1.50. Most stocker calves are steady, with some choice grades weak to \$1.00 lower.

Good and choice slaughter steers and yearlings crossed the scales recently from \$30.00-34.00, with some heavy steers up to \$34.50, and a few choice yearlings from \$34.50-35.50. Utility and commercial slaughter steers and yearlings were reported from \$23.00-29.00, with cutter grades down to \$20.00.

Utility cows sold mostly from \$20.00-23.50, and some commercial cows up to \$24.00 and slightly above. Canners and cutters are selling mostly from \$15.00-20.00, a few old shelly cows down to \$14.00. Commercial bulls cleared from \$25.00-26.00, mostly \$25.50 down. Cutter and utility bulls ranged from \$22.00-24.00.

Medium and good stocker and feeder steers and yearlings are moving out from \$27.00-32.00, with choice yearlings \$32.00-34.00. Choice 496-lb. heifers reached \$35.00 and common stockers moved from \$26.00 down. Good and choice stocker calves moved from \$31.00-38.00, with extreme lights from \$40.00-50.00. Common and medium stocker calves moved from \$24.00-30.00. Some heifer calves and also mixed steer and heifer calves brought \$37.00.

There was very little change in hog prices on the local market during the first three weeks of April. Recent sales of butcher hogs were 25c lower than a month previous. Choice 180-240 lbs. sold

around and shortly after the middle of the month from \$16.75-17.25, with the month's top \$17.50 paid the first day of the month. Choice 150-175 lbs. turned from \$15.00-16.75 and choice 250-380 lbs. sold within the same range. Sows ranged from \$13.00-14.50, a few \$15.00. Feeder pigs moved from \$10.00-13.00.

Sheep and lamb supplies were liberal the first two weeks of April, then dropped off sharply. Recent sales of spring were \$1.00 lower than a month previous. Shorn slaughter lambs are \$2.00 higher. Slaughter ewes are steady to \$1.00 higher and feeder lambs weak to lower. Choice under 55-lb. spring lambs reached \$40.00, a new high, shortly before Easter, with good and choice grades after the middle of April \$26.00-28.00. Utility to choice shorn slaughter lambs turned from \$24.00-28.00. Cull to good slaughter ewes ranged from \$10.00-16.00. Medium and good feeder lambs moved from \$18.00-23.00 and common stockers from \$14.00-16.00.

SAN ANTONIO Generally lower prices on virtually all classes of cattle marked trading on the San Antonio market during April. Slaughter steers and yearlings were mostly steady with instances 50c to \$1.00 lower on utility grades. Cows and bulls were 50c to \$1.00 lower, slaughter calves ruled steady and stocker and feeder yearlings held steady while calves were steady to \$1.00 lower.

Commercial and good slaughter steers and yearlings cashed at \$27.00-31.50. Loadlots-choice 600-650 lb. yearlings bulked at \$32.00-32.50 with a load of 735 lbs. at \$32.75. Utility claimed \$23.00-26.00. Mature slaughter steers were extremely scarce during the period.

Commercial cows changed hands at \$23.50-24.00. Utility offerings bulked at \$20.00-23.00. Canners and cutters moved at \$15.00-19.50, with occasional high yielding kinds to \$20.00. Bulk of utility and commercial bulls scored \$23.00-27.00 with lightweight cutters ranging downward to \$21.00.

Commercial and good slaughter calves earned \$27.00-32.00, few to \$32.50. Cull and utility crossed the scales at \$18.00-26.00.

Medium and good stocker yearlings ranged from \$27.50-34.00. Medium and

good stocker calves commanded \$27.00-34.00. Several lots good and choice white-face calves under 300 pounds earned \$35.00-38.00. Common and low medium offerings bulked at \$20.00-26.00. Common and medium stock cows earned \$20.00-23.00 with some relatively young kinds to \$26.00.

In the swine division at the close of business April 17, butchers and sows were 50c lower and feeder pigs were 50c to mostly \$1.00 lower. For the month the top butcher sales reached \$17.25 with the bulk of 180-270 pounds going at \$16.50-17.00. Sows bulked at \$14.50-15.00 and feeder pigs \$13.00-14.00.

Occasional lots of good and choice spring lambs cleared \$27.00-29.00. A few choice 95 lb. woolled lambs reached \$26.25. Good and choice No. 2 and 3 pelt claimed \$23.00-25.00. Few good and choice old crop 80 lb. fed woolled lambs cashed at \$21.00-23.00. Cull to good shorn ewes and wethers bulked from \$9.50-13.00. Common 45 lb. feeder lambs sold at \$17.00 while 57 lb. replacement ewe lambs sold at \$24.00.

Medium shorn Angora goats cleared \$11.50-13.00. Cull and common Spanish type and fresh shorn Angoras earned \$8.00-10.75. Kids sold generally in a \$4.50-7.50 price spread and stocker Spanish nannies ranged up to \$14.00.

HOUSTON Trading was slow to moderately active at the Port City Stockyards during the past month. The activity improved some for slaughter classes with the close of the Lenten season. Stocker supplies were in narrow demand during the entire period.

Only odd head of mature steers came to market but several consignments of heavy, fed yearlings were offered for sale. Cow receipts were limited and bull offerings were confined to small lots and odd head. Good and choice grades of slaughter calves were offered in limited numbers with commercial grade more plentiful. Stocker calves were in rather short supply.

The total salable receipts for the month amounted to approximately 2,100 cattle and 6,090 calves or about 200 head less than was offered during the previous reporting period. During the corresponding month of last year, 2,019 cattle and

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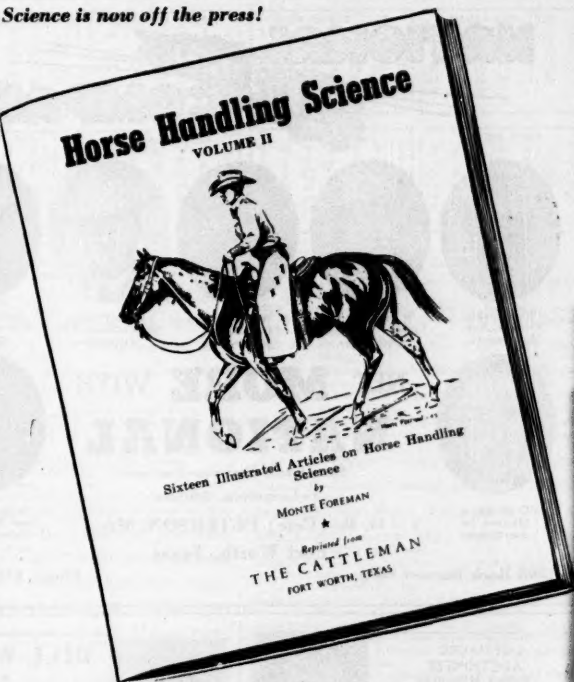
Here's more horse handling "know-how," for old-timers or new, professional handlers or amateur pleasure riders. Many men who have been riding horses for years and who really are good riders and horse handlers may find new, practical, helpful approaches to old handling and riding problems. Monte Foreman, the author and illustrator of this series of horse handling articles, has proven himself to be one of America's outstanding western horsemen. His pen and brush combine to bring his abundant and practical knowledge of horses to you in a very understandable way . . . a way that will help even the accomplished horseman get better performance from his horse.

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4,438 calves came to market, showing a gain of about 27 per cent for the current month in comparison.

Good and choice slaughter yearlings and calves closed about \$1.00 higher than the preceding close while beef type cows were weak to 50c lower. Brahman stocker calves declined about \$1.00 with other represented classes holding steady. Good and choice slaughter yearlings sold from \$31.00-32.25 at the close with commercial grade from \$28.00-30.00. Utility and commercial slaughter cows cashed from \$21.00-25.50 with very few at the top figure. Canner and cutter cows brought from \$15.00-20.50 with hard shelly cows down to \$10.00. Cutter to low commercial sausage bulls ranged from \$22.00-27.50. Good and choice slaughter calves realized from \$31.00-34.00, utility and commercial kind from \$25.00-30.50 and cull from \$20.00-25.00. Medium and low good whiteface stocker calves sold sparingly from \$29.00-32.00 while Brahman cashed from \$25.00-27.00, the top price for calves weighing under 300 lbs. Some Brahman heifer calves sold to \$31.00 while stocker cows cashed from \$20.00-25.00.

O'Bryan Ranch Sale

SUMMARY

13 Bulls	\$ 9,080; avg.	\$698
154 Females	70,060; avg.	455
167 Head	79,140; avg.	474

POLLED Hereford Breeders from ten states were on the buyers' list of the O'Bryan Ranch Sale held March 11 at the ranch near Hiattville, Kansas. The offering were in strong breeding condition and one of the features of the sale was the service of the national champion O'Larry Mischief 7th.

The top of the sale was reached on a daughter of ALF Beau Rollo 53rd, selling with a breeding privilege. She sold to Double E Ranch, Senatobia, Miss., for \$3,450. Second top female was \$1,400 on a five-month-old daughter of ALF Choice Domino 11th and going to CK Mousel, Edison, Neb.

The top of the sale was on a two-year-old son of ALF Beau Mixer 3rd. He went to J. L. Essley, Tulsa, Okla., at \$2,475. The next top bull was also purchased by Mr. Essley and a half brother to the top bull he sold for \$1,285.

Jewett Fulkerson and Gene Watson were the auctioneers.

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LIVESTOCK CALENDAR

HEREFORD SALES

- May 9—J. V. Severe & Red Cliff Farm Joint Hereford Reduction Sale, Ashland, Kans.
- May 16—West B'Gins Ranch Dispersion, Dallas, Texas.
- May 17—Phil Ferguson, Woodward, Okla.
- June 5—R. Pryor Lucas Estate Dispersion, Beeville, Texas.
- June 9-10—Hills & Dales, LaGrange, Georgia.
- June 13 (Night)—Hereford Heaven Assn., Sulphur, Okla.
- June 16-17—Pearson Herefords Dispersion, Indianapolis, Iowa.
- June 19—Kingford Farms, Siloam Springs, Ark.
- June 21—Morlunda Farms, Lewisburg, W. Va.
- June 27—Blocked L Ranch, Bryson, Texas (sale at Jacobboro, Texas).
- Sept. 1—C T Ranch Dispersion, Miami, Okla.
- Sept. 11-13—L. L. Jones & Son Dispersion, Garden City, Kans.
- Sept. 18—Hereford Heaven Feeder Calf Sale, Ardmore, Okla.
- Sept. 26—Lacy T Ranch, Hallett, Okla.
- Oct. 7—Jordan Valley Herefords, Clinton, Okla.
- Oct. 10—Wyoming Hereford Ranch, Cheyenne, Wyo.
- Oct. 13—Smithdale Hereford Farms, Limestone, Tenn.
- Oct. 17—Delford Ranch, Eldorado, Kans.
- Oct. 18—CK Ranch, Brookville, Kans.
- Oct. 21—New Mexico Hereford Assn., Clovis, N.M.
- Oct. 24—Nance Hereford Ranch, Canyon, Texas.
- Oct. 27—Thorpe Hereford Farms, Britton, S. D.
- Oct. 27—South Texas Hereford Breeder-Feeder Sale, Beeville, Texas.
- Oct. 28—Shortgrass Hereford Assn., Roosevelt, Okla.
- Oct. 29—Hill Country Hereford Assn., Mason, Texas.
- Oct. 30—MHM Hereford Farms, Pulaski, Tenn.
- Nov. 1—Circle A Hereford Farm, Morris, Ill.
- Nov. 6—Magic Empire National Hereford Sale, Tulsa, Okla.
- Nov. 7-8—NE New Mexico Hereford Assn., Raton, N. M.
- Nov. 10—Freeman & Graves, Pulaski, Tenn.
- Nov. 14—Palo Pinto Hereford Assn., Mineral Wells, Texas.
- Nov. 17-18—Kansas Hereford Futurity, Hutchinson, Kans.
- Nov. 19—Mid-North Texas Hereford Assn., Cleburne, Texas.
- Nov. 22—Par-Ker Ranch, Chelsen, Okla.
- Nov. 29—Texas-Oklahoma Hereford Assn., Wichita Falls, Texas.
- Dec. 1—West Texas Hereford Assn., Abilene, Texas.
- Dec. 2—Sweetwater Area Hereford Assn. Sale, Sweetwater, Texas.
- Dec. 3—Coleman County Calf Sale, Coleman, Texas.
- Dec. 3—Western Oklahoma Show and Sale, Clinton, Okla.
- Dec. 4—Hammon Hereford Ranch, Wichita Falls, Texas.
- Dec. 5—Clay County Hereford Assn., Henrietta, Texas.
- Dec. 6—Blanco County Hereford Assn., Johnson City, Texas.
- Dec. 8—Bridwell Hereford Ranch, Wichita Falls, Texas.
- Dec. 8—Anxiety 4th Hereford Breeders, Amarillo, Texas.
- Dec. 13—Hereford Heaven Range Bull Sale, Ardmore, Okla.
- Dec. 15—Joy Acres and Doughton Meadows, Statesville, N. C.
- Dec. 16—Central Oklahoma Hereford Br., Oklahoma City, Okla.
- Jan. 19-20, 1953—National Western Hereford Sale, Denver, Colo.
- Feb. 9—Kansas Hereford Assn. Range Bull Sale, Dodge City, Kans.
- Feb. 12—A. H. Karp's Greenfield Hereford Ranch, Bakersfield, Calif.
- Feb. 13—Beckham Co. Hereford Br., Sayre, Okla.
- Mar. 9—Circle H Ranch, Winona, Miss.

POLLED HEREFORD SALES

- May 12—Panola-Tate Polled Hereford Calf Sale, Senatobia, Miss.

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- Aug. 25—Glen Meadow Ranch, Hernando, Miss.
- Oct. 31—National Polled Hereford Sale, Tulsa, Okla.
- Nov. 3—Panola-Tate Polled Hereford Calf Sale, Senatobia, Miss.
- Nov. 8—Texas Polled Hereford Assn., Marshall, Texas.
- Dec. 13—National Western Polled Hereford Sale, Denver, Colo.
- Feb. 16, 1953—Circle M Ranch, Senatobia, Miss.

ANGUS SALES

- May 15—Weatherly Angus Farms, Enid, Okla.
- May 19—Red Oak Farms, Rocky Comfort, Mo.
- June 4—Angus Distribution Sale, San Angelo, Texas.
- June 7—Kellor Ranch Sale, Austin, Texas.
- June 16—Southern Oklahoma Angus Range Cow Sale, Ardmore, Okla.
- June 28—Angus Distribution Sale, Abilene, Texas.
- Sept. 22—Ralph L. Smith Farms, Chillicothe, Mo.
- Sept. 23—Green Valley Farms, Liberty, Mo.
- Sept. 25—Texas Aberdeen-Angus Assn. Sale, Amarillo, Texas.
- Sept. 30—Angus Feeder Calf Sale, Fredericksburg, Texas.
- Oct. 1—Angus Feeder Calf Sale, San Angelo, Texas.
- Oct. 3—Angus Feeder Calf Sale, Wichita Falls, Texas.
- Oct. 4—Angus Feeder Calf Sale, Abilene, Texas.
- Oct. 9—Angus Feeder Calf Sale, Amarillo, Texas.
- Oct. 15—North Central Texas Angus Sale, Nocona, Texas.
- Oct. 16—Charmay Farms Sale, Seminole, Okla.
- Oct. 20—New Mexico Angus Assn., Clovis, N. M.
- Nov. 29—J. Garrett Tolan Farms, Pleasant Plains, Ill.
- Dec. 9—Hill Country Angus Sale, Fredericksburg, Texas.
- Dec. 10—Johnson-Moore-Morgan-Lemley & Allen Bull Sale, San Angelo, Texas.
- Dec. 12—Burch Angus Ranch Calf Sale, Ravia, Okla.
- Dec. 13—Stoneybroke Ranch Calf Sale, Ada, Okla.

SHORTHORN SALES

- May 5—Scotfield Ranch, Austin, Texas.
- May 21—Central Texas Shorthorn Breeders, Stephenville, Texas.

BRAHMAN SALES

- May 1—Registered Brahman Range Cow Sale, El Campo, Texas.

SANTA GERTRUDIS SALE

- May 26—El Chico Ranch, Fort Worth, Texas.
- Nov. 10—King Ranch, Kingsville, Texas.

HORSE SALES

- May 10—Sprott Quarter Horse Dispersion Sale, Temple, Texas.
- May 17—Phil Ferguson, Woodward, Okla.
- May 26—El Chico Ranch, Fort Worth, Texas.
- May 27—Brownwood Quarter Horse Sale, Brownwood, Texas.
- Nov. 10—King Ranch, Kingsville, Texas.

GENERAL

- May 4-10—American Royal Dairy Cattle Show, Kansas City, Mo.
- May 8-9—Central Texas Polled Hereford Assn. Tour, Starts Hill Polled Hereford Ranch, Fairfield, Texas.
- May 10—South Texas Angus Field Day, Alice, Texas.
- May 11—Sonotita Quarter Horse Show, Sonotita, Ariz.
- May 12-13—National Hereford Congress, Fort Worth, Texas.
- May 16-17—San Angelo Horse Show, San Angelo, Texas.
- June 7-8—Blanco County Hereford Tour, Johnson City, Texas.
- June 10-12—Hereford Heaven Stampede, Sulphur, Okla.
- June 13-14—Hereford Heaven Assn. Tour, Sulphur, Okla.
- June 15-16—New Mexico Spring Horse Fair, Albuquerque, N. M.
- June 14—Hill Country Angus Field Day, Fredericksburg, Texas.
- June 19—Louisiana Aberdeen-Angus Br. Assn., Annual Field Day, Marydale Farm, St. Francisville, La.
- June 20—Par-Ker Ranch Hereford Field Day, Chelsen, Okla.
- June 27-28—18th Annual Osage County Cattleman's Assn. Convention, Pawhuska, Okla.
- July 17-19—Olney Livestock Show and Rodeo, Olney, Texas.
- July 25-27—Annual International Round-Up Club Cavalcade, Pawhuska, Okla.
- July 29—North Plains Hereford Short Course, Perryton, Texas.
- Aug. 16—Post Quarter Horse Show, Post, Texas.
- Aug. 31—Sept. 5—National Arhus Show, Lincoln, Neb.
- Sept. 1-6—North Central Texas Fair, Cleburne, Texas.
- Sept. 21-Oct. 5—New Mexico State Fair, Albuquerque, N. M.
- Sept. 22-27—Tri-State Fair, Amarillo, Texas.
- Oct. 3-20—Ak-Sar-Ben (National Hereford Show), Omaha, Neb.
- Oct. 25-27—South Texas Hereford Breeder-Feeder Show, Beeville, Texas.
- Oct. 29-31—National Polled Hereford Show, Tulsa, Okla.
- Nov. 1-3—Coastal Bend Livestock Show, Alice, Texas.
- Nov. 3-7—Magic Empire National Hereford Show, Tulsa, Okla.
- Dec. 11-13—National Western Polled Hereford Show, Denver, Colo.
- Jan. 6-10, 1953—Arizona National Livestock Show, Phoenix, Ariz.
- Jan. 16-24—National Western Stock Show, Denver, Colo.
- Jan. 28-Feb. 8—Houston Fat Stock Show, Houston, Texas.
- Jan. 30-Feb. 3—Southwestern Exposition and Fat Stock Show, Fort Worth, Texas.
- Feb. 8-15—El Paso Southwestern Livestock Show and Rodeo, El Paso, Texas.

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Range News of the Southwest



Cattle Sales and Prices

Where sex is not given on sale, excepting calves, the reference is to steers. As "The Cattleman" goes to press several days before date of release, range conditions may have changed since these reports were made.

ARCH, NEW MEXICO — Lewis & Gowdy, Arch, shipped six loads of mixed cattle to the Amarillo market, three loads to Oklahoma grass and three loads to the ranch at Guthrie.

Bun Lewis, Arch, is shipping 250 cattle to Oklahoma for the summer and 400 to Clayton, N. M.

There is not much country trading as asking prices have been higher than the buyers were willing to pay, but there is a lot of inquiry for cattle for late spring and early fall delivery. Runs have been extremely heavy at all auction rings where the prices have remained surprisingly high, in view of the drouth and the big runs of cattle.

All of eastern New Mexico and the Panhandle South Plains have had from a quarter of an inch to an inch of rain in the last few days and in most places this is sufficient to start the grass and will help the wheat and in a number of places there is sufficient moisture to plant cotton and feed.—James A. Gowdy.

AMARILLO—A. L. Ross, Stratford, shipped 33 steer yearlings to Illinois feeders.

John Shell, Corcoran, Calif., bought 65 heifer yearlings from Buckles & Son, Stratford; and 180 steer yearlings from R. D. McClellan, Stratford.

Joe Keast, Hartley, sold 91 heifer yearlings to Gilbert Childers.

C. J. Kirkpatrick, Dalhart, sold 79 steer yearlings to J. E. Mitchell, Dalhart.

Carl Kuper, Dalhart, shipped 1,047 two-year-old steers to Cassoday, Kans.

R. D. McClellan, Stratford, sold 105 heifer yearlings to Martin Domke, Greeley, Colo.

Cline Cattle Co., Stratford, shipped 72 steer yearlings to Paris, Ky.

C. W. Martin, Kerrick, shipped 484 heifer yearlings to Somerset, Nebr., for grass.

Joe L. Smith, Ware, shipped 115 heifer yearlings to Kansas grass.

Guy McBurnett, Ware, shipped 63 heifer yearlings to Kansas grass.

Merrell Bros., Amarillo, shipped 608 heifer yearlings to Clapham, N. M., for grass.

Nelson Moore, Dalhart, shipped 90 steer yearlings to Kansas grass.

Mrs. J. M. Sanford, Fritch, shipped 150

heifer and steer yearlings to Rosebud, N. M., for grass.

Jack Hayes, Happy, shipped 243 steer and heifer yearlings to Fort Pierre, S. D., for grass.

I. C. Little, Happy, shipped 363 yearlings and cows to LaPlatte, S. D., and 566 one- and two-year-old steers to Eagle Butte, S. D., for grass.

Pete Cator, Hereford, shipped 450 heifer and steer yearlings to Red Hill, N. M., for grass.

Guy Andis, Pampa, sold 130 heifer yearlings to E. L. Frey, Longmont, Colo.

George Porter, Amarillo, sold 100 cows to Tovrea Packing Co., Tovrea, Ariz.; 31 yearling steers and heifers to Livestock Commission Co., Los Angeles, Calif.; and 156 yearling steers to Selby Bros., Bakersfield, Calif.

Charles Elkins, Canyon, shipped 151 steer yearlings to Lamar, Colo., for grass.

Cliff Wimberly, Adrian, sold 62 steer yearlings to Bruce Andrews, Hudson, Colo.

Henry Cone, Canyon, sold 29 cows and 13 calves to Gregory Live Stock Co., Plattsburg, Mo.

M. H. Moffett, Greeley, Colo., bought 67 yearling steers from Augustine Commission Co., Texhoma, Okla.

Farley Stallard, Tucumcari, N. M., sold 101 yearling heifers to F. M. Walsh Cattle Co., Sioux City, Iowa.

Kern County Land Co., Bakersfield, Calif., bought yearling steers as follows: 28 from Jimmy Milam, Stratford; 32 from Dickie Buckles, Stratford; 42 from Ed Rafferty, Stratford; 67 from Hadley Sullivan, Guymon, Okla.; 86 from Baskin Ranch, Springfield, Colo.; 92 from Roy Mitchell, Stratford; 300 from Brooks & Bort, Stratford; and 246 from Les Parker, Stratford.

Joe Smith, Dalhart, shipped 47 yearling heifers to Missouri for grass; and 225 to Delmer Smith, El Dorado, Kans., for grass.

Jack Vinson, Amarillo, shipped 80 yearling heifers to V. Lee Matney, Denton, Kans., for grass.

Frank Cooper, Amarillo, sold 255 one- and two-year-old steers to Jess Simmons, Clinton, Mo.

Jack SoKelle, Amarillo, sold 187 one- and two-year-old heifers to Guy Flint, Longmont, Colo.

Bob Hulett, Amarillo, sold 420 yearling steers to Buss & Bert Todd, Salyard, Kans.

Johnnie Katara, White Deer, sold 82 two-year-old steers to Frank Cooper, Lamb, Colo.

We are furnishing the Socialist governments money to buy their industries and make their steel mills, railroads, packing houses, etc., all government owned and operated. This "help" we have extended has made it extremely hard on the very people we would help.

Now our own elected officials have indicated they will take over our privately owned business and operate it. If we wish to preserve our farms and ranches on which we live, it is time to clean house in politics and get a new set of faces who can think straight. This is more important than anything else we can do this year.

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K. La Fon, Amarillo, sold 154 yearling heifers to George Kern, Windsor, Colo.; and 115 yearling heifers to Frank B. Davis & Son, Greeley, Colo.

Lyons & Fite, Amarillo, sold 133 yearling steers and heifers to Maxwell & Turnish, Kaw City, Mo.

Dale Schooler, Amarillo, shipped 100 yearling heifers to Craig, Mo.

Marion Stocker, Lexington, Nebr., bought 72 yearling steers from John Clay & Co., Amarillo.

Singer & Brummett, Amarillo, sold 95 yearling steers to Ralph Newby, Plattsburg, Mo.

Cluck, Lindsey & Traylor, Gruver, shipped 3,011 one- and two-year-old steers, cows and calves to Matfield Green, Kans., for grass.

A. L. Bort, Gruver, sold 195 yearling heifers to Forest Pagot, Lexington, Nebr.

Emil Knutson, Gruver, sold 101 two-year-old steers to Sheldon Ripson, Muscatine, Iowa; and 102 to F. O. Bohnsack, Muscatine, Iowa.

Trading for the past 30 days has been a little sluggish, with more sellers than buyers. Most of the cattle wintered well on stalkfields, wheat or oil cake and weights have been pretty good. Wheat is fair on the North Plains. We have had some rain and grass is starting over most of the Northwest Panhandle.

Steer calves are selling 32c to 40c; heifer calves, 30c to 35c; two- and three-year-old heifers, \$175 to \$275; dry cows, 15c to 25c; cows with calves, \$175 to \$275; yearling steers, 32c to 35c.—N. H. Sweeney.

CLARENDON—No sales to report. A lot of cattle are being shipped to grass but we have had some good rains and grass should begin to grow here now. Most everyone has stopped feeding. A good calf crop is in sight.

Steer calves are selling 35c to 37c; heifer calves, 34c to 36c; dry cows, 18c to 22c; cows with calves, \$225 to \$325; yearling steers, 33c to 35c.—A. T. Jefferies.

EL PASO—The following shipped cattle to Peyton Packing Co.—W. E. Weathersbee, Tornillo, 525 Brahman steers and 213 Black Angus steers; Howard Surratt, Clint, 20 fat steer yearlings; R. A. Weathersbee, El Paso, 75 Brahman yearlings.

R. A. Weathersbee, El Paso, shipped 19 bulls to Union Packing Co., Los Angeles.

Howard Surratt, Clint, shipped 10 cows, one bull and one calf to Montes Packing Co., El Paso.

Paul Davidson, Clint, received 41 feeder steers from Oklahoma City.

Jay Kerr & Sons shipped 200 cows and calves and 200 dry cows to Boonville, Mo., to grass.

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John Honeycutt, Sierra Blanca, shipped seven cars of cows and calves and some dry cows to southern Oklahoma to grass. Lee C. Moor, Clint, shipped 1,000 calves to Colorado.

Border Cattle Co. shipped 150 mixed calves to Phoenix, Ariz.

R. C. Ivey, McNary, shipped 68 steer yearlings and 38 big calves to Peyton Packing Co.—R. E. Beaty.

HEBBRONVILLE—W. W. Wynn, Laredo, sold 70 cows to Joe B. Finley, Callaghan Land & Pastoral Co., Encinal.

The following have shipped cattle to grass: Callaghan L. & P. Co., 17 cars of

cows to West Virginia; 60 cars of steers to Kansas and Virginia; L. C. Traylor shipped 418 steers to Matfield Green, Kans.; 100 steers to Bazaar, Kans.; 431 steers to Aikens Switch, Kans., from his Encinal Ranch; J. B. Parker, Encinal, shipped 165 mixed steers and heifers to Tom Laurin, Brawley, Calif.; Warren Hill, Laredo, shipped 205 cows, 105 calves and 10 bulls to Fayetteville, Ark.; R. L. Carr, Encinal, shipped 47 cows, 29 calves and two bulls to Welch, Okla.; Jack Moss, Laredo, shipped most of his cattle to Arkansas.

This section of the country is still dry and cattle are still having to feed. We have had some scattered showers but not enough to break the drouth. Cattle are in good shape, due to heavy feeding.—Jack H. Mims.

HIGGINS—Most trading has been confined to local auction rings. There has been no contracting for fall. Cattlemen are still feeding. We have had sufficient moisture for grass to come but have had some hard April freezes and too much cool weather—it looks like it will be the latter part of April before we have much grass.—R. B. Tyson.

MARFA—The following have shipped cattle to grass: Cecil Whom, 250 yearlings from Culberson County to Montana; Jess Burner, Pecos, 3,303 yearlings to Montana; Holcombe & Rape, Pecos, 505 heifer yearlings to Montana and 1,150 cattle to Arizona; M. A. Grisham, Toyah, 547 cows and 20 bulls to New Mexico; Anderson Ranch, Pecos, 520 calves and yearlings to Jess Burner, Pecos.

We had some showers and scattered rains about the middle of April but the largest part of this country is extremely dry.—Cecil Rourke.

MIDLAND—Foy Proctor, Midland, bought 59 sections of ranch near Magdalena, N. M., from George Wood, El Paso; and a 75-section ranch from Matador Land & Cattle Co., located north of the Canadian River west of Amarillo.

Clarence Scharbauer, Jr., Midland, bought a 103-section ranch from the Matador division, located west of Amarillo.

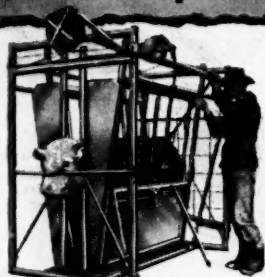
Several men have bought ranches in eastern Oklahoma and western Arkansas in the past six months.

The spring shipment to grass is well along. We have had one and a half inches to two inches of rain over most of this country up to April 20.—Jeff Dunham.

QUITAQUE—There has been a slow, general rain of about half an inch to the middle of April. This will greatly benefit the pastures as grass has already started. Cattle wintered fair to good. There is a good calf crop—small calves in good shape. We need some good rains.—O. W. Stroup.



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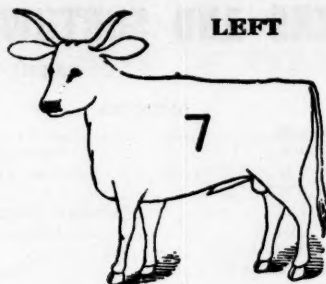
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The cost of membership in the Association is \$5.00 annual dues and 12 cents per head per year assessment on the number of cattle rendered.

The Association employs inspectors at the markets and principal shipping stations on the range. Field inspectors are also employed to travel over the range country and investigate reports of cattle stealing, etc. Association attorneys assist in the prosecution of those charged with theft of cattle owned by members.

Write for Information About the Texas and Southwestern Cattle Raisers' Association, Henry Bell, Secretary, Fort Worth

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W. T. BONNER
Gainesville, Texas

W T. BONNER is another long-time member of the Texas and Southwestern Cattle Raisers Association. It was in September, 1922, that the 7 brand on the left side was entered in the brand books of the Association inspectors. Mr. Bonner's membership was issued that year and he has continued his membership right on through, rendering cattle from Cooke County, Texas, and Carter, Jefferson and Love Counties, Oklahoma. Thus September of this year will round out 30 years that Mr. Bonner has provided for his cattle the protection that is a part of membership in this Association. And through his membership, he has supported the constant fight for the best interests of cattlemen everywhere.

ONE OF A SERIES . . . This is another in a series of articles to acquaint you with typical members of the Texas and Southwestern Cattle Raisers Association. These men (W. T. Bonner and more than 10,000 other progressive cattlemen throughout the Southwest) maintain this Association to protect the interests of the cattle industry and the individual cattleman. The full protection and privileges of membership are accorded all members—large and small alike.

You are invited to apply for membership

HOW LITTLE IT COSTS!

The minimum yearly charge for Association membership is \$14.50 (based on 50 head).

If you are running 100 head in your herd—you would render 65 head (65% of herd) and your yearly dues would be \$16.45.

If you are running 200 head in your herd—you would render 130 head (65% of herd) and your yearly dues would be \$24.90.

These are just sample charges—complete information regarding charges for membership may be found in the application on next page, or get in touch with your nearest Association Inspector. Names and locations of all inspectors are listed on the reverse side of this page.

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Application for Membership

AGRICULTURE is an industry of many phases; livestock raising is among the most hazardous. In furnishing the beef of this nation the cattleman is confronted with problems which may be divided into two distinct classes, individual and common.

Individual problems are those which belong to each man separate and distinct from his neighbor or fellow industryman.

Problems of common interest are those which belong to the industry as a whole. Every cattleman knows that diligent attention must be given to matters involving legislation, marketing, finance, freight rates, meat consumption, and the like, the same as the individual must be concerned about feed, water, labor, and other ranch problems. Group action through organization alone furnishes the operating machinery for dealing with problems of common interests.

The necessity for organized effort has caused each industry to form its association. It brought into being organizations for labor and all other businesses. Livestock producers in every state or section formed representative bodies, and among the first was the Texas and Southwestern Cattle Raisers Association.

Membership is open to any cattle producer recommended by responsible parties. There are cattlemen and livestock farmers in every section of the Southwest who are not members but who should be and lend their support to the efforts of this organization in behalf of their industry.

Experienced inspectors are stationed on all the central markets to which cattle from Texas and neighboring states are ordinarily shipped. Upon authorization by a member proceeds of cattle bearing his brand are held, pending investigation, if the inspector believes that such cattle are being handled by unauthorized parties.

Field men are stationed at important range centers and inspect shipments, conduct investigations of losses by members, assist local officers in apprehending and capturing cattle thieves, and serve the membership in any way possible. An attorney furnished by the Association assists local officers in prosecuting parties indicted for theft from a member.

When filling out this application it is important that information as to marks and brands and range of cattle be as complete as possible. Draw your brands and marks on the cuts of animals on reverse side just as they appear on the cattle. Use a separate cut for each brand and state whether the cattle are of your own raising; or if bought, give the name and address of the party from whom you bought. Brands may also be recorded in the space for remarks. If a brand is a tally on bought cattle same will doubtless be in many marks and a "V" should be put in one ear and "M" in the other—indicating various marks.

Charges incident to membership are \$6 annual dues, \$2 subscription to "The Cattleman," and an assessment of twelve cents per head per year on the number of cattle rendered, which number should be 65% of the actual number owned. There is also a voluntary assessment of 1 cent per head on the number of cattle rendered for the support of the National Live Stock and Meat Board. The minimum charge for membership with brand rendered is based on a rendition of 50 head, and even though you own less than 50 head, you are eligible for membership at the minimum charge. If you are now a subscriber to "The Cattleman," same will not be charged to your membership until present subscription expires.

The strength of any representative organization is entirely dependent on the support given it and the number of persons or the composite assets it is authorized to represent. The more members the Association has, the wider can be its scope of representation, and the more effective will be its endeavors.

19

To the President and Members of the Texas & Southwestern Cattle Raisers Association:

The Petition of the subscriber represents that he is desirous of becoming a member of the Association and I CERTIFY THAT I HAVE RENDERED NOT LESS THAN 65% OF THE CATTLE I AM HANDLING. In case of acceptance I agree and bind myself to conform to the By-Laws governing the Association, and to pay all dues, assessments and other charges provided for by the Association, at Fort Worth, Texas.

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1,600 acres in Hays County. Fenced sheep and goat proof into two large pastures, several traps, and 50 acres in field. Good improvements, plenty of water, lots of grass, little cedar and no heavy brush. Only live oak and Spanish oak timber, good goat forage. Excellent for cattle and sheep. \$65.00 an acre.

825 acres in the Brazos River Bottom, 200 acres in 35-year-old grafted pecan orchard, all land open and tillable, with three irrigation wells, and any number more may be drilled, only 55 feet to water. Fenced with net wire into four pastures. Good home and sheds. Land is level and as rich as the Nile Valley. Carrying 250 head now, and can carry 500 head. Land, cattle and \$10,000.00 worth of equipment can be bought for \$200,000.00 if taken immediately, or the land can be bought separately.

996 acres on Little River, 750 acres bottom land, another 100 acres low valley. The blackest land in the world. Only 100 acres of timber, balance in farm land and open bottom pastured with numerous pecan trees. 600 acres can be irrigated from the river. Here is a bargain at \$110.00 an acre, \$25,000.00 down, balance in 10 annual payments on 4% interest.

560 acres all bottom land on Little River, 75 acres in timber pasture, balance open farm land. Rented on third and fourth this year. Has been used as pasture. Would make one of the best stock farms in Texas, and irrigation from river is available. A good well, small shed but no house. Well fenced for cattle. \$130.00 an acre.

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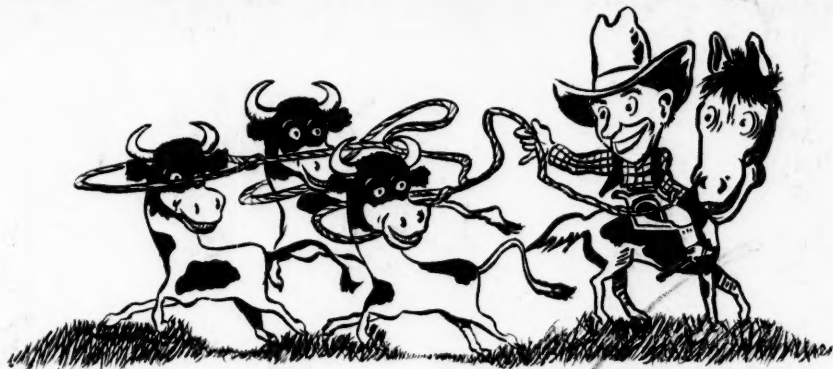
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